

**Morphology and Reproductive Potential of  
Gynostemium in  
*Thottea idukkiana* Panduran. & Nair**

**15PB046**

Dissertation submitted in partial fulfilment of the requirements  
for the award of the degree of

**Master of Science**

**in**

**Botany**

By

**AMRITHA S**

Candidate code : **P1714001**



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**Fatima Mata National College (Autonomous)**

**Kollam**

**June, 2019**



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### CERTIFICATE

This is to certify that this dissertation entitled "**Morphology and Reproductive Potential of Gynostemium in *Thottea idukkiana* Panduran. & Nair**" is an authentic record of research work carried out by **Kumari Amritha S** under my supervision and guidance, in partial fulfillment of the requirements of M.Sc. Botany degree of Kerala University. I also certify that no part of this work has previously formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other similar titles of this or any other University or Society.

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**MICROPROPAGATION OF *FOENICULUM VULGARE* MILL.  
THROUGH SHOOT MULTIPLICATION, INDIRECT  
ORGANOGENESIS AND SYNTHETIC SEED PRODUCTION**

15PBO46

*Dissertation submitted in partial fulfilment of the requirements for the  
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JUNE, 2019

## **CERTIFICATE**

This is to certify that this dissertation entitled "Micropropagation of *Tuenticulum vulgare* Mill through shoot multiplication, indirect organogenesis, and synseed production." Submitted by Ancy Alex (candidate code: P1714002) in partial fulfillment of the requirements for the MSc. Degree in Botany of the University of Kerala is based on the original research work carried out by her under my guidance and supervision.



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**EVALUATION OF GROWING CONDITIONS FOR  
BETTER YIELD IN TWO STRAINS OF**

***Pleurotus florida* (Mont).Solms**

*(Fast growing strain from IIHR, Bengaluru and an isolate obtained from Kerala  
Agriculture University ,Vellayani)*

**15PBO46**

**DISSERTATION**

*Submitted to the University of Kerala*

*in partial fulfillment of the requirements*

*for the award of the Degree of*

*Master of Science*

*in*

**BOTANY**

*By*

*Arya Ramachandran*

*Candidate Code :P1714003*



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**June, 2019**



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This is to Certify that the Dissertation entitled "EVALUATION OF GROWING CONDITIONS FOR BETTER YIELD IN TWO STRAINS OF *Pleurotus florida*(Mont).Solms (Fast growing strain from IHR, Bengaluru and an isolate obtained from Kerala Agriculture University, Vellayani)" submitted by Miss ARYA RAMACHANDRAN, in partial fulfillment of the requirement for the award of M.Sc. Degree in Botany of the University of Kerala, is based on the original work carried out by her under my guidance and supervision and this has not previously formed the basis for the award of any other Degree or other similar title of recognition.

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**SCREENING OF ANTICANCER ACTIVITY AND  
HISTOCHEMICAL ASPECTS IN *Mirabilis jalapa* L.**

*Dissertation submitted in partial fulfillment of the  
requirements for the award of the degree of*

*Master of science*

*in*

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This is to certify that the dissertation entitled "SCREENING OF ANTICANCER ACTIVITY AND HISTOCHEMICAL ASPECTS IN *Mirabilis jalapa* L." an authentic record of research work carried out by Miss. ATHIRA AJAYAN, under my supervision and guidance, in partial fulfilment of the requirements of M.Sc. Botany Degree of Kerala University. I also certify that no part of this work has previously formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or other similar title of this or any other university or society.

  
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**A Study on the Anti-Inflammatory Activities of**  
***Chromolaena odorata* (L.) R.M.King & H.Rob.**

**15PBO46**

*Dissertation submitted in partial fulfilment of the requirements*

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*Master of Science*

*In*

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### CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON THE ANTI-INFLAMMATORY ACTIVITIES OF *Chromolaena odorata* (L.) R.M.King & H.Rob." is an authentic record of research work carried out by Kumari ELIZABETH CHACKO under my supervision and guidance, in partial fulfilment of the requirements of MSc Botany Degree of Kerala University. I also certify that no part of this work has previously formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other similar title of this or any other University or society.



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**SELECTION OF PLANTS BEST SUITED FOR  
PLANT-MEDIATED GOLD NANOPARTICLE  
SYNTHESIS**

**A DISSERTATION**

**SUBMITTED TO FATIMA MATA NATIONAL  
COLLEGE(AUTONOMOUS)**

**IN PARTIAL FULFILLMENT FOR THE DEGREE OF**

**MASTER OF SCIENCE**

**IN**

**BOTANY**

**UNDER THE GUIDANCE OF**

**Dr.B. SINILAL**



**BY**

**JANANY.U.J**

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**SESSION 2017-2019**

## CERTIFICATE

This is to certify that this dissertation entitled "SELECTION OF PLANTS BEST SUITED FOR PLANT-MEDIATED GOLD NANOPARTICLE SYNTHESIS" has been carried out personally by Ms. JANANY. U. J. under our direct supervision and guidance. All the experimental work has been conducted in the laboratories of Fatima Mata National College Kollam Kerala. The candidate herself has carried out the investigation and her observations are genuine.

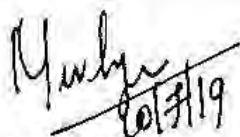


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Place: Kollam

**Preliminary Phytochemical Studies In *Jasminum auriculatum* Vahl.**

**15PB046**

*Dissertation submitted in partial fulfilment of the requirements for the award of the degree of*

*Master of Science*

*In*

*Botany*

**By**

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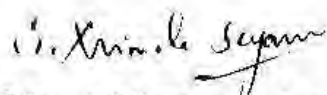
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**July, 2019**

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This is to certify that this dissertation entitled "**Preliminary Phytochemical Studies in *Jasminum auriculatum* Vahl.**" is an authentic record of research work carried out by **JASMI JAHANGIR** under my supervision and guidance, in partial fulfillment of the requirements of M.Sc. Botany Degree of Kerala University. I also certify that no part of this work has previously formed the basis for the award of any degree, Diploma, Associateship, Fellowship or other similar title of this or any other University or society.



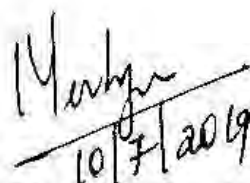
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**IN VITRO PROPAGATION OF NIGELLA SATIVA L.  
THROUGH SHOOT MULTIPLICATION, INDIRECT  
ORGANOGENESIS AND SYNTHETIC SEED PRODUCTION**

15PBO46

*Dissertation submitted in partial fulfilment of the requirements for the  
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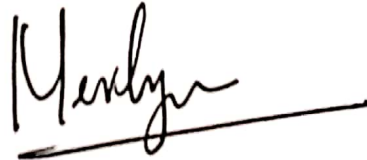
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## CERTIFICATE

Certified that dissertation entitled "*In vitro* Propagation of *Nigella sativa* through shoot multiplication, indirect organogenesis and synseed production" submitted by Mary Blessy., Candidate code: P1714008 in partial fulfillment of the requirements for the award of M.Sc. Degree in Botany of the University of Kerala is based on the original research work carried out by her in the Laboratories of this institution.

June 2019



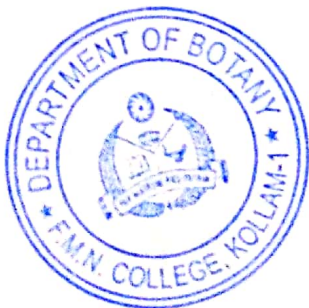
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**ANTI-INFLAMMATORY POTENTIALS OF  
HEMIGRAPHIS ALTERNATA (L.) HALLIER F.**

**15PBO46**

*Dissertation submitted in partial fulfillment of the requirements*

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*Master of Science*

*in*

**BOTANY**

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### CERTIFICATE

This is to certify that this dissertation entitled "**Anti-inflammatory potentials of *Hemigraphis alternata* (L.) Hallier f.**" is an authentic record of research work carried out by kumari **Pinky Christy** under my supervision and guidance, in partial fulfillment of the requirements of **M.Sc Botany Degree of Kerala University**. I also certify that no part of this work has previously formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other similar title of this or any other University or society.



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**MORPHOLOGICAL, ANATOMICAL AND BIOCHEMICAL STUDIES  
IN SELECTED PLANTS OF FAMILY LAMIACEAE**

**DISSERTATION**

*Submitted to the University of Kerala  
in the partial fulfillment of the requirements  
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**in**

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**BY**

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**June 2019**



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This is to certify that the dissertation entitled "MORPHOLOGICAL, ANATOMICAL AND BIOCHEMICAL STUDIES IN SELECTED PLANTS OF FAMILY LAMIACEAE" submitted by RAJASREE. S, in partial fulfillment of the requirement for the award of M.Sc. Degree in Botany of the University of Kerala, is based on the original work carried out by her under my guidance and supervision and this has not previously formed the basis for the award of any degree or other similar title of recognition.

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**Phytochemical Screening and Anti-Oxidant activity  
of *Chamaecostus cuspidatus* (Nees & Mart)**

**15PB046**

**Dissertation**

*Submitted by partial fulfilment of the requirements for the award of the degree of*

**MASTER OF SCIENCE**

In

**BOTANY**

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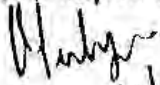
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**July,2019**

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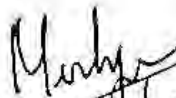
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**A Preliminary Investigation on the Anti-inflammatory  
activities of *Thottea siliquosa* (Lam.) Ding Hou**

**15PBO46**

*Dissertation submitted in partial fulfilment of the requirements  
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**PRELIMINARY PHYTOCHEMICAL STUDIES IN**  
*Jasminum grandiflorum* Linn.

15PBO46

*Dissertation submitted in partial fulfillment of the requirements*

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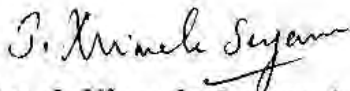
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July, 2019

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This is to certify that this dissertation entitled "**The Preliminary Phytochemical Studies In *Jasminum grandiflorum* Linn.**" is an authentic record of research work carried out by **Kumari Steffy Stanislaus** under my supervision and guidance, in partial fulfillment of the requirements of M.Sc Botany Degree of Kerala University. I also certify that no part of this work has previously formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other similar title of this or any other University or society..



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**Dr. Merilyn V.J**  
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**PRELIMINARY PHYTOCHEMICAL SCREENING AND  
ANTIMICROBIAL ANALYSIS OF THREE PLANTS OF GENUS  
EUPHORBIA**

**15PB046**

*Dissertation Submitted*

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**in**

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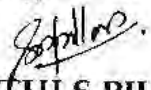


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(AUTONOMOUS)

CERTIFICATE

This is to Certified that the dissertation entitled "PRELIMINARY PHYTOCHEMICAL SCREENING AND ANTIMICROBIAL ANALYSIS OF THREE PLANTS OF GENUS EUPHORBIA" submitted by Miss. SUSMITHA D FERNANDEZ, in partial fulfillment of the requirement for the award of M.Sc. Degree in Botany of the University of Kerala, is based on the original work carried out by her under my guidance and supervision and this has not previously formed the basis for the award of any degree or other similar title of recognition.

  
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ANALYSIS OF CHANGE IN YIELD AND ECOLOGICAL  
SIGNIFICANCE OF *Calocybe indica* (P&C) CULTIVATION; WHEN IT'S  
ORDINARY SUBSTRATUM STRAW IS REPLACED BY *Eichhornia*  
*crassipes*.

15PB046

DISSERTATION

*Submitted to the University of Kerala*  
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**FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS) KOLLAM**

**JUNE 2019**



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**CERTIFICATE**

This is to certify that the dissertation entitled "ANALYSIS OF CHANGE IN YIELD AND ECOLOGICAL SIGNIFICANCE OF *Calocybe indica* (P&C) CULTIVATION; WHEN IT'S ORDINARY SUBSTRATUM STRAW IS REPLACED BY *Eichhornia crassipes*."

Submitted by SREEJITH.J candidate code P1714015 in partial fulfillment of the requirement for the award of **M.Sc. Degree in Botany** of the University of Kerala is based on the original work carried out by him under my guidance and supervision and this has not previously formed the basis for the award of any degree or other similar title of recognition.

  
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**June 2019**

