



കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി

**FACULTY OF SCIENCE**

*The Senate of the University of Calicut hereby makes it known that*

*Mani. C.J.*

*has been admitted to*

*the Degree of*

*Doctor of Philosophy*

*in*

*Botany*

*he having been certified by duly appointed Examiners  
to be qualified to receive the same*

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

CALICUT UNIVERSITY

Pin-673 635

Date 06/04/2005

*Mani C.J.*  
VICE CHANCELLOR



Nº 002636



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

नामांकन सं.  
Enrolment No. 11.PHD.200



क्रमिक  
Sl. No. 895

## वन अनुसंधान संस्थान

(सम विश्वविद्यालय)  
देहरादून

श्री/सुश्री आर. सौम्या

को प्रबन्ध परिषद की संस्तुति पर वानिकी में डॉक्टर ऑफ फिलॉसफी की उपाधि फॉरेस्ट इकोलॉजी एण्ड इन्वायनमेंट में उनके शोध प्रबन्ध, इकोलॉजी, फिनोलॉजी एण्ड सोशियल कॉन्टेक्ट्स आफ इन्वेज़न बाय सेलेक्टेड एलियन प्लांट्स इन केरल पर दिनांक 18-12-2018 को प्रदान की जाती है।

## Forest Research Institute

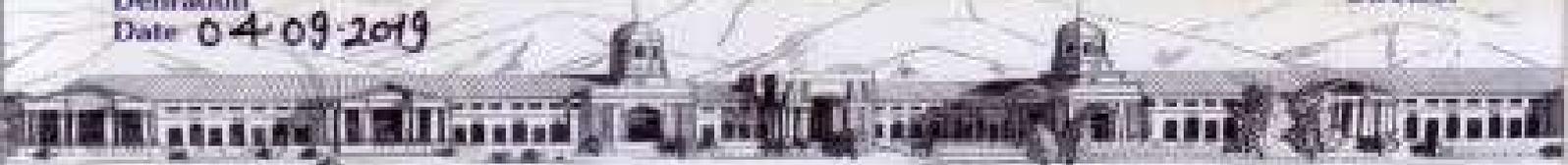
(Deemed to be University)  
Dehradun

On the recommendation of Board of Management Mr./Ms.

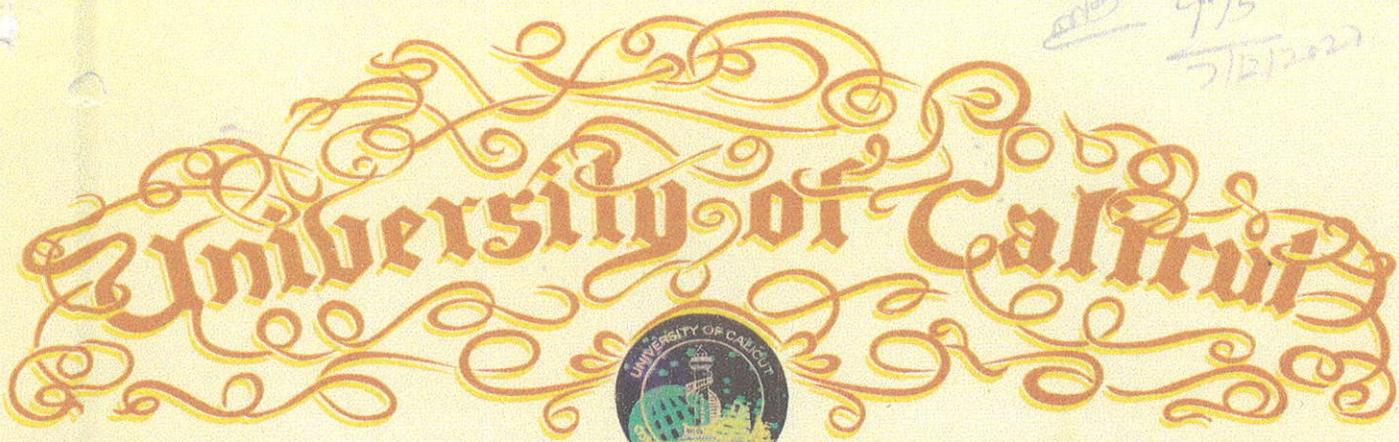
*A. Soumya* is awarded the degree of Doctor of Philosophy in Forestry *Forest Ecology and Environment* on 18-12-2018 on her thesis entitled *Ecology, phenology and social contexts of invasion by selected alien plants in Kerala*

देहरादून  
Dehradun  
Date 04-09-2019

  
निदेशक  
Director



975  
2/2/2012



കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി

FACULTY OF EDUCATION

The Senate of the University of Calicut hereby makes it known that

*Anil Kumar. N.*

has been admitted to  
the Degree of

*Doctor of Philosophy*

in

*Physical Education*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

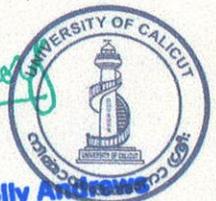
CALICUT UNIVERSITY PO  
Kerala INDIA  
PIN-673 635

*Calicut*

VICE CHANCELLOR

Date .....31/01/2012

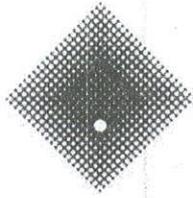
*Attested*



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

Nº 325802





# VICTORIA UNIVERSITY

4

This is to certify that

## Soni John Thanikkal Kottayil

has fulfilled the requirements of the University  
and admitted to the

## Doctor of Philosophy

on the 22nd day of April in the year 2016

Given under the seal of Victoria University, Australia.

Professor Peter Dawkins  
Vice-Chancellor and President



Mr George Pappas  
Chancellor

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



## डॉक्टर ऑफ फिलॉसफी

प्रमाणित किया जाता है कि अरविंद बी.पी. को इस विश्वविद्यालय से वर्ष 2006 में शारीरिक शिक्षा विषय में डॉक्टर ऑफ फिलॉसफी की उपाधि के लिये योग्य घोषित किया गया है, एतदर्थ उन्हें डॉक्टर ऑफ फिलॉसफी की उपाधि प्रदान की जाती है।

## DOCTOR OF PHILOSOPHY

This is to Certify that Arvind B.P. has been declared eligible for the award of Doctor of Philosophy in this University in 2006 in this Physical Education subject is admitted to the Degree of Doctor of Philosophy.

His / Her Thesis is on "Investigation on selected Physical Anthropometric and Psychological variables as Predictors of pole vault performance"



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

JIWAJI UNIVERSITY,  
GWALIOR

Dated : 24<sup>th</sup> June, 2006.

Issued on : 11 DEC 2006

PRINCIPAL  
CHRIST COLLEGE, IRINJALAKUDA KULPATI

Electronic Certificate No.: 122002763



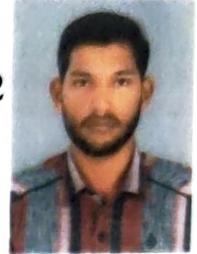
**University Grants Commission**  
NATIONAL EDUCATIONAL TESTING BUREAU



**NATIONAL ELIGIBILITY TEST FOR LECTURESHIP**

UGC Ref. No.: **2763/(NET-DEC. 2012)**

Roll No.: **32470072**



Certified that **ANOOP KUMAR M S**

Son Daughter of **S R MURALIDHARAN PILLAI**

and **SATHEE MURALIDHARAN**

*has qualified*

the UGC-NET for eligibility for lectureship held on **30-12-2012**

in the Subject **PHYSICAL EDUCATION**

The date of qualifying NET is **25th March, 2013**, which is also the date of declaration of the result.

This is an electronic certificate only and its authenticity should be verified from the UGC by the employer through [www.ugcnetonline.in](http://www.ugcnetonline.in). This electronic certificate can also be verified by scanning QR Bar Code printed on the electronic certificate.

Validity of the electronic certificate is forever.

*Surender Singh*

Head  
NET Bureau

Date of Issue: **20-06-2013**

Note a) UGC has issued the electronic certificate on the basis of information provided by the candidate in his/her Application Form. The appointing authority should verify the original records/certificates of the candidate while considering him/her for appointment, as the Commission is not responsible for the same. The candidate must fulfil the minimum eligibility conditions for NET within two years from the date of declaration of UGC-NET result.

b) Wherever PWD is shown in the UGC Ref. No., the recruitment body should check the relevant documents of disabilities.

No: 498650



அண்ணாமலைப் பல்கலைக்கழகம்  
ANNAMALAI UNIVERSITY



FACULTY OF SCIENCE

ROLL NO. 1921660001

The Syndicate of the ANNAMALAI UNIVERSITY hereby makes

known that **SEBASTIAN K M** has been admitted to the

Degree of **DOCTOR OF PHILOSOPHY in STRENGTH AND CONDITIONING**

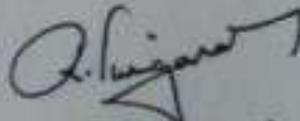
he/she having been certified by duly appointed Board of Examiners who valued  
his/her thesis to be qualified to receive the same in **NOVEMBER, 2022.**

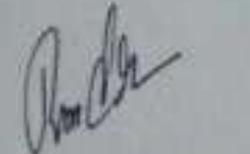
**TITLE OF THE THESIS**

**"PREDOMINANT ANTHROPOMETRIC PHYSIOLOGICAL SPATIOTEMPORAL AND PHYSICAL FITNESS  
CHARACTERISTICS OF SPRINTING AND MIDDLE DISTANCE RUNNING AMONG COLLEGIATE MALE  
STUDENTS"**

Given under the seal of the University



  
Dr. R. Sivarajvel  
Registrar (i/c)

  
Dr. R.M. Kishiresan  
Vice-Chancellor

अनुक्रमांक  
Roll No. ...362.

नामांकन क्रमांक  
Enrolment No. P.H.2015-  
137

लक्ष्मीबाई राष्ट्रीय शारीरिक शिक्षा संस्थान, ग्वालियर (म.प्र.) भारत  
Lakshmbai National Institute of Physical Education, Gwalior (M.P.) INDIA  
(A++ NAAC ACCREDITED DEEMED TO BE UNIVERSITY)



वर्ष ... 2022...

## शारीरिक शिक्षा में डॉक्टर ऑफ फिलॉसफी

प्रमाणित किया जाता है कि अभयदेव सी. एस. को इस पी-एच. डी. उपाधि से संबंधित अध्यादेश की आवश्यकताओं को स्पोर्ट्स साइकोलॉजी विभाग से सफलतापूर्वक पूर्ण करने पर शारीरिक शिक्षा में डॉक्टर ऑफ फिलॉसफी की उपाधि प्रदान की जाती है।

शोध का विषय "कम्पेरिजन ऑफ डिफ्रेट टाइप्स ऑफ ट्रेनिंग ऑन सेलेक्टेड साइकोमोटर वेरिसेबल्स रमंग स्कूल गॉइंग चिल्ड्रन"

Year ..... 2022.....

## DOCTOR OF PHILOSOPHY IN PHYSICAL EDUCATION

This is to certify that Abhaydev C. S. having successfully completed the requirement in terms of the ordinance relating to Ph.D. Degree from the Department of Sports Psychology, is awarded the Degree of Doctor of Philosophy in Physical Education.

Title of the thesis is "Comparison of different types of training on selected psychomotor variables among school going children"

A. Sajwan  
कुलसचिव  
REGISTRAR

दिनांक 08 APR 2022  
Dated : .....

[Signature]  
कुलपति  
VICE CHANCELLOR



## FACULTY OF SPORTS SCIENCE & PHYSICAL EDUCATION

*The Syndicate of Kannur University hereby makes known that*

**NEENA THEKKAN**

*has been admitted to the degree of*

**Doctor of Philosophy**

*she having been certified by duly appointed Examiners to be qualified to receive the same*

*Subject : Physical Education*

*Title of the Thesis : 'Effect of Exergaming Fitness Programme on Health Related Physical Fitness, Selected Biomotor and Psychological Variables of School Children'*

*Given under the seal of the University.  
Date of Award : 12/04/2022*

*Phosphin*

VICE-CHANCELLOR



Kannur University  
24 June 2022

Date .....

No. 0154400



### FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

**Arun. S.**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Chemistry*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

Vice - Chancellor

CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635  
Date 31/08/2016



*Attested*  
*[Signature]*

No. 0623020  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)





000129

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# Cochin University of Science and Technology



## FACULTY OF SCIENCE

The Academic Council of the Cochin University of Science and Technology hereby makes known that..... **DIGNA VARGHESE**.....

is admitted to the Degree of

## DOCTOR OF PHILOSOPHY

under the Faculty of Science, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the Seal of the University, this day, the...21<sup>st</sup>..February..2012.....

University Buildings  
Kochi - 682 022

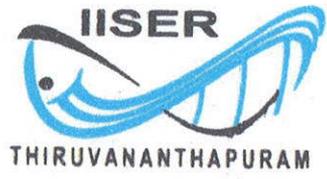
Issued on ..... March 17, 2012 .....



*Handwritten signature*

*Handwritten initials*

**Fr. Dr. Jolly Andrews**  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Kannalakupada



# INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM

The Board of Governors upon recommendation of the Senate

has conferred on

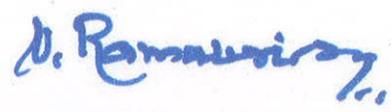
DIJO DAMIEN

the degree of

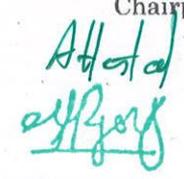
*Doctor of Philosophy*

Issued under the seal of the Institute on the third day of June of the year two thousand and seventeen and the Ninth year of the Indian Institute of Science Education and Research Thiruvananthapuram

  
Registrar

  
Chairperson, Senate

  
Chairperson, Board





**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



# Indian Institute of Technology

hereby confers the degree of  
**Doctor of Philosophy**  
of the Institute  
on

**JIBIN A K**

for successfully completing the prescribed programme of  
presenting the thesis entitled

**ELECTROCHEMICAL LITHIUM INSERTION AND SOLID STATE S  
ON CERTAIN OXIDES, PNICTIDES AND CARBOSELENIDE**

*Given this day the Nineteenth of July,  
under the seal of the Institute.*



*V.C.B.*  
Registrar

*B.M.*  
Director

*Cha*

*Attsted*  
*offgong*



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

# Mahatma Gandhi University

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FACULTY of *Science*  
The Syndicate of the Mahatma Gandhi University  
hereby makes known that

*Rani Varghese*

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in *Chemistry*

he/she having been certified by duly appointed  
examiners to be qualified to receive the same.

Title of the Thesis: *PHOTOCHEMICAL AND RADIATION  
CHEMICAL DEGRADATION STUDIES OF  
TRIAZINE DERIVATIVES*

विद्यया अमृतमश्नुते

Given under the seal of the University

Date of Syndicate Decision: *19.01.2010*

MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA

Date: *12 May 2010*



*A. H. Jolly*  
Vice-Chancellor  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)



# Cochin University of Science and Technology



## FACULTY OF SCIENCE

The Academic Council of the Cochin University of Science and Technology hereby makes known that.....**ROBINSON P PONMINIESSARY**.....  
is admitted to the Degree of

## DOCTOR OF PHILOSOPHY

under the Faculty of Science, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the Seal of the University, this day, the..... 17<sup>th</sup> January, 2011 .....

University Buildings  
Kochi - 682 022

Issued on ..... September 14, 2011 .....



*Handwritten signature*  
**Dr. Jolly Andrews**  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



# Kongju National University

on the recommendation of the faculty hereby confers upon

**Titto Varughese**

the degree of

**Doctor of Philosophy**

He is entitled to all rights, honors, and privileges belonging to that degree

Given at Kongju, Korea

February 19th, 2010

*Sae Gyun Kim*

Kongju National University

*[Signature]*

Dean, Graduate School



*[Signature]*  
Fr. Dr. Joz Andrew  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Injalakuda



# Indian Institute of Technology, Madras

hereby confers the degree of  
**Doctor of Philosophy**  
of the Institute

on

**JOY VT**

for successfully completing the prescribed programme of study and  
presenting the thesis entitled

**SURFACE-ENHANCED RAMAN SPECTROSCOPIC INVESTIGATIONS ON  
THE ADSORPTION BEHAVIOUR OF SOME SULFUR CONTAINING  
MOLECULES ON THE SILVER SURFACE**

Given this day the Sixth of August,  
under the seal of the Institute.

*[Signature]*  
Registrar

*[Signature]*  
Director

*[Signature]*  
Chairman Board of Governors



*Attended*  
*[Signature]*  
Fr. Dr. Jolly Andrews  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Minjalakuda

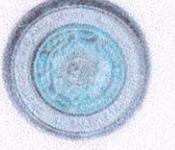
ಮಂಗಳೂರು  
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ  
UNIVERSITY

14

ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಹ ಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು,  
ಸಿಂಡಿಕೇಟ್ ಮತ್ತು ಶೈಕ್ಷಣಿಕ ಮಂಡಳಿ ಸದಸ್ಯರಾದ ನಾವು



*We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor and the  
members of the Syndicate and Academic Council of  
Mangalore University do hereby make known that*

**ಟೋಮ್ ಚೆರಿಯಾನ್ ಅವರು  
TOM CHERIAN**

*has been admitted to the Degree of*

2006ನೆಯ ವರ್ಷದ ಜುಲೈ ತಿಂಗಳಲ್ಲಿ ನಿರ್ದಿಷ್ಟ ಅರ್ಹತೆಯನ್ನು ಪಡೆದಿರುವರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ

**ರಸಾಯನ ಶಾಸ್ತ್ರದಲ್ಲಿ  
ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ  
DOCTOR OF PHILOSOPHY  
IN CHEMISTRY**

ಪದವಿಯನ್ನು ಪಡೆಯಲು ಅಂಗೀಕೃತರಾಗಿರುವರೆಂದು ಈ ಮೂಲಕ ದೃಢೀಕರಿಸುತ್ತೇವೆ.

*on being duly certified to have qualified for the same in the  
month of July, 2006*

ಮಹಾಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ

*Title of the thesis :*

**" STUDIES ON NEW REAGENTS FOR COMPLEXOMETRIC AND  
SPECTROPHOTOMETRIC DETERMINATIONS OF METAL IONS AND ANIONS "**

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದ ಅಡಿಯಲ್ಲಿ  
*Given under the Seal of the University*



*Attestd  
Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda*



## FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

**Meril Shelly**

has been admitted to the degree of

*Doctor of Philosophy*

in

*Chemistry*

she having been certified by duly appointed Examiners  
to be qualified to receive the same

TITLE OF THE THESIS:

*Preparation and Characterization of High Density  
Polyethylene / Chitosan / Hydroxyapatite Polymer Composites*

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

Vice - Chancellor

CALICUT UNIVERSITY P.O.

Kerala, INDIA

PIN - 673 635

15/03/2023

Date .....



No 1083114



வணிகவியல்  
புலம்  
FACULTY OF COMMERCE

2019

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க தேர்வாளர்களால் சான்றளிக்கப்பட்டு அருண் பாலகிருஷ்ணன் மு பா என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2019 ஆம் ஆண்டு நவம்பர் திங்கள் 19 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
ARUN BALAKRISHNAN M B *has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

*he/she having been certified by duly appointed examiners to be qualified to receive the same in the year*  
2019

*Given under the seal of the University of Madras, at Chennai this*  
19<sup>th</sup> day of November 2019

*Title of the Thesis :* "A STUDY ON COMMITMENT DIMENSIONS OF COLLEGE TEACHERS WITH SPECIAL REFERENCE TO ARTS AND SCIENCE COLLEGE TEACHERS IN CHENNAI CITY"  
ஆய்வுத் தலைப்பு : (Commerce)

Ph.D. Degree has been awarded in accordance with the minimum standards and procedure of the regulations of the University Grants Commission 2009.

*L. S. Srinivasan*  
புதிவாளர்  
Registrar



*Attested*  
*P. D. Durairaj*  
குணன் வேந்தர்  
Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

# Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.C1/85/Law, dated 17th April 1985)



## FACULTY OF COMMERCE

*The Syndicate of the Mahatma Gandhi University  
hereby makes known that*

**Smt. JOSHEENA JOSE**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY  
in  
Commerce**

*she having been certified by duly appointed examiners to be qualified to  
receive the same.*

*Title of the Thesis :* **A STUDY ON THE IMPACT OF AGRICULTURAL  
INSURANCE ON RISK MANAGEMENT AMONG FOOD CROP FARMERS IN  
KERALA**

*Given under the seal of the University*

Date of Syndicate Decision: 27-03-2017

University Buildings  
Priyadarshini Hills P.O.  
Kottayam - 686 560  
Kerala, India  
Dated : 19-May-2017



*A Hostal*  
*Jolly*  
Vice-Chancellor  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



**FACULTY OF COMMERCE & MANAGEMENT STUDIES**

The Senate of the University of Calicut hereby makes it known that

**Tom Jacob**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Commerce*

he having been certified by duly appointed Examiners  
 to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University



*[Handwritten signature]*

Vice - Chancellor

CALICUT UNIVERSITY P.O.  
 Kerala, INDIA  
 PIN - 673 635  
 Date 17/11/2020



*[Handwritten signature]*

**Fr. Dr. Jolly Andrews**  
 Assistant Professor-  
 In-charge of Principal  
 Christ College (Autonomous)  
 Irinjalakuda  
 No. 8898206

# Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.C1/85/Law, dated 17th April 1985)



## FACULTY OF COMMERCE

*The Syndicate of the Mahatma Gandhi University  
hereby makes known that*

**Sri. GEORGE P.L.**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY  
in  
Commerce**

*he having been certified by duly appointed examiners to be qualified to  
receive the same.*

*Title of the Thesis :* **PERFORMANCE, PROSPECTS AND PROBLEMS OF THE  
CO-OPERATIVE MARKETING SOCIETIES IN KERALA**

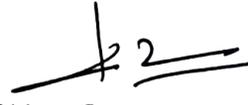
*Given under the seal of the University*

Date of Syndicate Decision:29-09-2014

University Buildings  
Priyadarshini Hills P.O.  
Kottayam - 686 560  
Kerala, India

Dated : 24-January-2015



  
Vice-Chancellor



Francis T. பாரதியார் பல்கலைக் கழகம்  
Adv. Inve Bharathiar University  
DD வினா Pass இலாகா  
சென்னை

கல்வியியல் புலம்

### FACULTY OF EDUCATION

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
பிரங்கோ டி. பிரன்ஸிஸ், 2016 ஆம் ஆண்டு, ஆகஸ்ட் 2 ஆம் நாளில் கல்வியியல்  
என்னும் பிரிவில் ஆய்வியல் அறிஞர் என்றும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
எற்று. அவருக்கு அந்தப் பட்டத்தைப் பங்கலைக் கழக இலச்சினையுடன்,

பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that FRANCO T FRANCIS  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in EDUCATION,  
having been certified (by duly appointed Examiners to be qualified to receive the same on 2nd AUGUST 2016.



Under external part time mode  
Given under the Seal of the University.

சென்னை  
Coimbatore  
611 015  
நாள்

தேர்வாளர்  
Controller of Examinations

பதினாறு (பொ)  
Christ College (Autonomous)  
Registrar (i/c)

Fr. Dr. Jolly Andrews  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Christ College (Autonomous)  
துணைவேந்தர்  
Vice-Chancellor

PRINCIPAL  
CHRIST COLLEGE (AUTONOMOUS)

Dated: 7th February 2017  
ISSUED ON 20 JUN 2017



## FACULTY OF HUMANITIES

The Senate of the University of Calicut hereby makes it known that

**Sasi. C.**

has been admitted to  
the Degree of

*Doctor of Philosophy*

in

*Economics*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.  
Given under the seal of the University



**Vice - Chancellor**

CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635

Date **24/01/2023**  
Date .....





# Mahatma Gandhi University

(Established by Kerala State Legislature by the Gandhiji University Act, 1985 (Act 12 of 1985) and amended as Mahatma Gandhi University Act, 1985 by Act II of 1988)  
University Buildings, Priyadarsini Hills P.O., Kottayam-686 560, Kerala, India

## FACULTY OF SOCIAL SCIENCES

*The Syndicate of the Mahatma Gandhi University*

*hereby makes known that*

**Smt. JEAN MARIA GEORGE**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**

*in*

**ECONOMICS**

*she having been certified by duly appointed examiners to be qualified to receive the same.*

*Title of the Thesis :* **ECONOMICS OF PLANTATION INDUSTRY IN KERALA  
: A CASE STUDY ON PHYSICAL QUALITY OF LIFE IN IDUKKI DISTRICT**

*Given under the seal of the University*

Date of conduct of public viva-voce & award of Ph.D.: 04-03-2022



*Vice-Chancellor*



20

## FACULTY OF HUMANITIES

*The Syndicate of Kannur University hereby makes known that*

**GEORGE ALEX**

*has been admitted to the degree of*

## Doctor of Philosophy

*he having been certified by duly appointed Examiners to be qualified to receive the same*

*Subject : History*

*Title of the Thesis : 'The Socio-Economic Milieu of Anti Colonial Struggles in Malabar (1792-1856)'*

*Given under the seal of the University.*

*Date of Award : 27/06/2016*



Kannur University  
09 November 2017

Date .....

No. 0102511



*Attested*  
*affix*  
**Fr. Dr. Jolly Andrews**  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

UNIVERSITY OF KERALA



**FACULTY OF LANGUAGE AND LITERATURE**

*The Syndicate of Kannur University hereby makes known that*

**HEMALATHA P**

*has been admitted to the degree of*

**Doctor of Philosophy**

*As she having been certified by duly appointed Examiners to be qualified to receive the same*

*Subject : English*

*Title of the Thesis : Voices Between Boundaries : Trans-Cultural Interventions  
in the Select Works of Indian Women Writers*

*Given under the seal of the University*

*Date of Award : 29 June 2013*



Kannur University

Date 21 August 2013

No 0052059



*J. D. Jay*  
VICE-CHANCELLOR

*Jolly Andrews*  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



EFLU 01353

# The English and Foreign Languages University

(A Central University Established by an Act of Parliament)

Hyderabad 500 007, India

(Shillong Campus)



Controller of Examinations



*This is to certify that*

***Ms. Stenza Augustine***

*daughter of Mr. Augustine having completed the course of study prescribed by the University and having fulfilled the stipulated requirements by examination and by thesis is hereby awarded the degree of*

**Doctor of Philosophy**

**English Literature**

Controller of Examinations

Registrar

Vice Chancellor

Date of Award: 02-03-2020



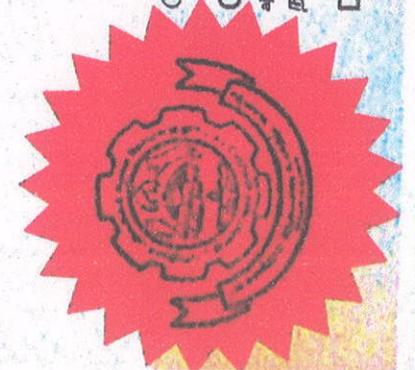
# பாரதியார் பல்கலைக் கழகம் Bharathiar University

கலையியல் புலம்  
FACULTY OF ARTS

பாரதியார் பல்கலைக் கழகத்தால்  
அனுஷா மேத்யூ, 2018 ஆம் ஆண்டு, நவம்பர் 30 ஆம் நாளில்  
ஆய்வியல் அறிஞர் அவருக்கு அந்தப் பட்டத்தைப் பட்டத்தைக் குழு வழங்குகின்றது.

முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
என்னும் ஆங்கிலம் என்னும் பிரிவில்  
தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
பல்கலைக் குழு இலச்சினையுடன்,

The Syndicate of the Bharathiar University hereby makes known that ANUSHA MATHEW  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ENGLISH,  
having been certified by duly appointed Examiners to be qualified to receive the same on 30th NOVEMBER 2018.



கோயம்புத்தூர்  
Coimbatore  
43510  
நாள்

Dated: 18th December 2019 Controller of Examinations i/c

Given under the Seal of the University.



தேர்வாளர்(பொ)

Registrar(i/c)

பதிவாளர்(பொ)

Registrar(i/c)

Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

22  
தலைணவேந்தர்  
Vice-Chancellor

Reg.No.  
&  
Year

2009

22



# Sree Sankaracharya University of Sanskrit

KALADY, KERALA

FACULTY OF..... *Foreign Languages*

*The Academic Council of the Sree Sankaracharya University of Sanskrit, hereby makes known that*

*Vargheese, K.J.*

*has been admitted to the*

*Degree of Doctor of Philosophy*

*he/she having been certified by duly appointed examiners to be qualified to receive the same.*

*Subject*..... *English*

*Title of the Thesis*..... *English Language Teaching Through Information Communication Technology*

*Given under the seal of the University.*

Kalady

30.07.2009



*Attended*  
*all good*  
*Dr. Jolly Andrews*  
*Vice-Chancellor*  
*Assistant Professor*  
*In-charge of Principal*  
*Christ College (Autonomous)*  
*Irinjalakuda*

26

# DER FACHBEREICH GEOWISSENSCHAFTEN DER FREIEN UNIVERSITÄT BERLIN

verleiht

unter dem Präsidenten der Freien Universität Berlin  
Prof. Dr. Peter-André Alt

durch den Dekan des Fachbereichs  
Prof. Dr. Ulrich Cubasch

## Herrn Linto Alappat

geboren  
am 11. Februar 1983 in Chalakudy, Kerala / Indien

den akademischen Grad des Doktors der Naturwissenschaften  
(Dr. rer. nat.)

Titel der Dissertation:

"Application of OSL dating on coastal sediments –  
Case studies from shallow marine sediments of Southern North Sea, Germany,  
and coastal sub-surface and surface sediments from south India"

Gutachter der Dissertation:

Prof. Dr. M. Frechen

Prof. Dr. B. Schütt

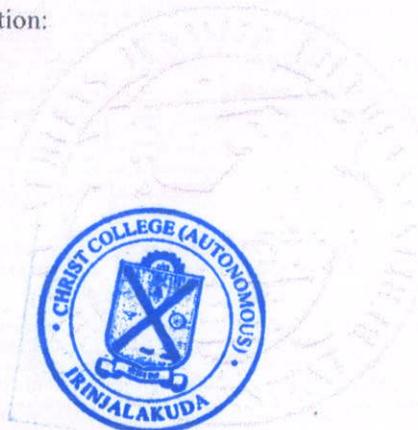
Bewertung der Dissertation: "sehr gut"

Bewertung der Disputation: "sehr gut"

Gesamtbewertung der Promotion: "sehr gut"

Datum der Disputation:

7. Dezember 2010



*Attsted*  
*allgong*

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Ulrich Cubasch*  
Der Dekan des Fachbereichs

# Cochin University of Science and Technology



## FACULTY OF MARINE SCIENCES

The Academic Council of the Cochin University of Science and Technology hereby makes known that *R.V. Rajan* is admitted to the Degree of

### DOCTOR OF PHILOSOPHY

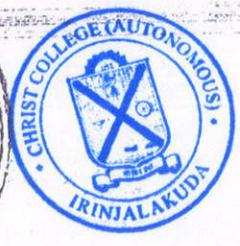
under the Faculty of Marine Sciences, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the seal of the University, this day, the *2<sup>nd</sup> May 2008*...

University Buildings,  
Kochi - 682 022.



*Attested*  
*[Signature]*  
Vice-Chancellor.



**TRUE COPY**  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda  
*[Signature]*  
PRINCIPAL  
CHRIST COLLEGE, IRINJALAKUDA



**FACULTY OF ENVIRONMENTAL STUDIES**

*The Academic Council of the Cochin University of Science and Technology hereby makes known that Manju . N. J. is admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**

*under the Faculty of Environmental Studies. He/she having been certified by duly appointed examiners to be qualified to receive the same.*

*Given under the Seal of the University, this day, the 30<sup>th</sup> January 2009.*

*University Buildings,  
Kochi - 682 022.*



*Handwritten signature in green ink: All out of all yours*

**Fr. Dr. Jolly Andrews**  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Handwritten signature in black ink: Palhuf*  
**Office Chancellor.**

# Mahatma Gandhi University



FACULTY of *Environmental & Atmospheric Sciences*  
The Syndicate of the Mahatma Gandhi University  
hereby makes known that

*Rekha V.B*

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in *Environmental Science*

he/she having been certified by duly appointed examiners to be qualified to receive the same.

Title of the Thesis: *A comparative study of the hydrological scenario of Peruvanthanam sub-watershed and Valiyathodu sub-watershed of Manimala river basin, Kerala, South India*

Given under the seal of the University

Date of Syndicate Decision: *10.06.2013*

MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA

Date: *14 June 2013*



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Injalakuda

Vice Chancellor

# Mahatma Gandhi University

30



FACULTY of *Environmental & Atmospheric Sciences*  
The Syndicate of the Mahatma Gandhi University

hereby makes known that

**Subin K. Jose**

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in *Environmental Science*

he/she having been certified by duly appointed examiners to be qualified to receive the same.

Title of the Thesis: *Geospatial characterization and conservation potential for Agasthyamala biosphere reserve, Western Ghats, India*

*Attended  
affairs*

Given under the seal of the University

Date of Syndicate Decision: **1.12.2012**



MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

Vice Chancellor

Date: **28 February 2013**

Serial No. 131892

Enrolment No. 079457



## भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुसंसा पर  
विद्या वाचस्पति  
की उपाधि  
रशमी. के.जे.

को, जिन्होंने इस उपाधि की अवाप्ति हेतु विनियम विहित अपेक्षाओं को सन् 2013 में सफलतापूर्वक पूरा कर लिया है, एतद्वारा प्रदान करता है।  
शोध प्रबन्ध शीर्षक: सेडीमेन्ट जियोकैमिस्ट्री ऑफ कल्ललाई रिवर, केरला  
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 21 सितम्बर 2013, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

## INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

RESMY. K.J.

who has successfully completed in the year 2013 the requirements prescribed under the regulations for the award of this degree

Thesis Title: SEDIMENT GEOCHEMISTRY OF KALLAI RIVER, KERALA

Given this day, the 21<sup>st</sup> of September 2013, under the seal of the Institute at Roorkee in the Republic of India.

अध्यक्ष, अभिशासक परिषद्  
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्  
Director & Chairman, Senate

कुलसचिव  
Registrar





அறிவியல் புலம்  
FACULTY OF SCIENCE

2020 ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு கனிதா தி  
என்பவருக்கு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2021 ஆம் ஆண்டு  
ஏப்ரல் திங்கள் 8 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that*  
SUNITHA D *has been conferred the*

DEGREE OF DOCTOR OF PHILOSOPHY

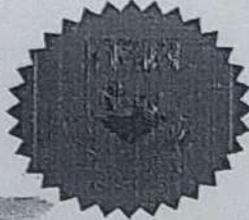
*he/she having been certified by duly appointed examiners to be qualified to*  
*receive the same in the year 2020*

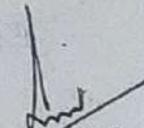
*Given under the seal of the University of Madras, at Chennai this*  
*8<sup>th</sup> day of April 2021*

*Title of the Thesis :* "SYSTEMATICS AND DISTRIBUTION OF DIATOMS,  
IMPLICATIONS ON TROPHIC STATUS AND  
ஆய்வுத் தலைப்பு : PALEOENVIRONMENT OF THE ASHTAMUDI ESTUARY,  
KERALA, INDIA" (Geology)

Ph.D. Degree has been awarded in accordance with the minimum standards and procedure of the  
regulations of the University Grants Commission 2009.

N. Mathuraman  
பதிவாளர்  
Registrar



  
துணை வேந்தர்  
Vice-Chancellor



## FACULTY OF SCIENCE

*The Syndicate of Kannur University hereby makes known that*

**SWETHA T V**

*has been admitted to the degree of*

### Doctor of Philosophy

*she having been certified by duly appointed Examiners to be qualified to receive the same*

*Subject : Geology*

*Title of the Thesis : 'A Geospatial Approach for an Integrated Geomorphological and Hydrogeochemical Investigation of the Kuttiyadi River Basin, India'*

*Given under the seal of the University.*

*Date of Award : 23/06/2020*



VICE-CHANCELLOR

Kannur University

14 March 2022

Date .....

No. 0154278

001153

Folio No. GMPPHD1849



சென்னை பல்கலைக்கழகம்

**UNIVERSITY OF MADRAS**

**PROVISIONAL CERTIFICATE - Ph.D**

**\*=\* FACULTY OF SCIENCE \*=\***



*This is to certify that* **ANSO MA**

*has qualified for the Degree of* **DOCTOR OF PHILOSOPHY** *in*

**(APPLIED GEOLOGY)**

*he/she having been declared*

*eligible in* **FEBRUARY 2023** *to receive the* **Ph.D.Degree**

*at a Convocation of this University.*

This award communication is issued in accordance with the minimum standards and procedure of the regulations of the UGC 2009.

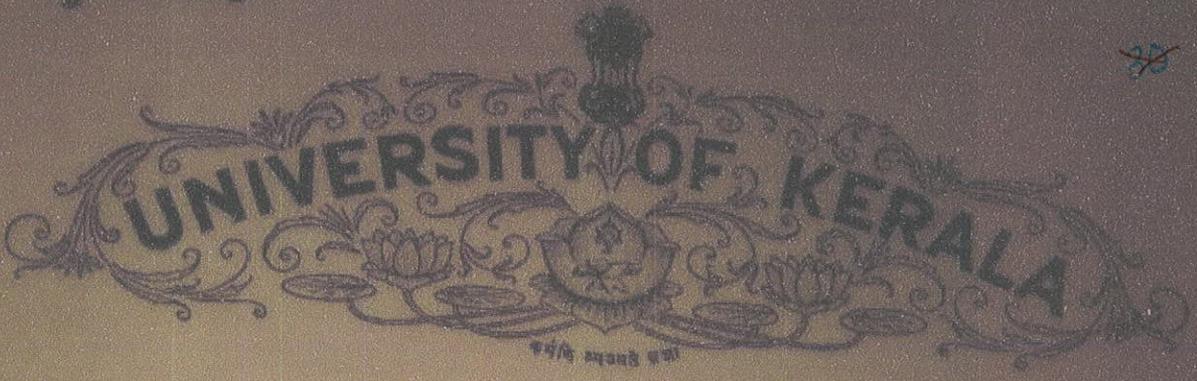
ASSISTANT REGISTRAR

Chepauk, Chennai - 600 005.

Dated **31 MAR 2023**



Reg No 893



**FACULTY OF ORIENTAL STUDIES**

The Senate of the University of Kerala hereby makes known  
 that Thesiamma Joseph  
 has been admitted to the Degree of Doctor of Philosophy for/who having  
 been certified by duly appointed examiners to be qualified to receive the same.

Given under the seal of the University

AA Ad  
 affyery



Fr. Dr. Jolly Andrews  
 Assistant Professor-  
 In-charge of Principal  
 Christ College (Autonomous)  
 Irinjalakuda



उच्च शिक्षा और शोध संस्थान  
Post Graduate and Research Institute  
**Dakshina Bharat Hindi Prachar Sabha**  
**MADRAS**

(संसदीय अधिनियम 14 सन् 1964 द्वारा घोषित 'राष्ट्रीय महत्व की संस्था')  
(Declared by Parliament as an Institution of National Importance by Act 14 of 1964)

पंजीकरण सं./Reg. No.

ER/Ph.D/03/2010

(विश्वविद्यालय विभाग)

(University Wing)

की

शासी परिषद् की अनुशंसा पर

शिवकुमार

को

**डॉक्टर आफ़ फ़िलासफ़ी**

हिंदी

की उपाधि

पाँच जनवरी 2014 को

प्रदान की गई है। इसके साक्ष्य-स्वरूप सभा की मुद्रा और कुलाधिपति तथा कुलसचिव के हस्ताक्षर अंकित हैं।

On the recommendation of the Shasi Parishad

the degree of

**DOCTOR OF PHILOSOPHY**  
**HINDI**

has been conferred on

**SHIVKUMAR**

On Fifth January 2014

In testimony whereof are set the seal of the said Sabha and the signatures of the said Chancellor and the Registrar.

उक्त उपाधि हेतु प्रस्तुत शोध प्रबंध

Title of thesis submitted for the degree

डॉ. सुरेश शुक्ल चन्द्र के नाटकों का

Dr. Suresh Chandra  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Trinjalakuda

The Degree of Ph.D. with Course Work as per Ph.D. Regulations-2008 of UGC.

दिनांक/Dated : - 7 MAY 2016



कुलसचिव  
Registrar

कुलाधिपति  
Chancellor



Universiteit Leiden

~~36~~

36

Rector Magnificus

ENGLISH TRANSLATION OF  
THE DOCTORAL DEGREE CERTIFICATE ISSUED BY  
LEIDEN UNIVERSITY

To whom it may concern.

The Rector and the College of Faculty Deans of Leiden University salute the readers:

Our ancestors, in their wisdom, have judiciously determined that students, prior to putting their knowledge into practice, on completion of their academic studies, should attempt to obtain documentary proof of their diligence and learning.

Accordingly, when after fulfilling the graduation requirements of the University, the distinguished mr. **Binu M. John** strove to attain the highest academic degree, we, the undersigned, in order to support this most honourable cause, did not only examine him in the subjects of the Faculty of Arts but we also heard the defence of his thesis submitted under the title "The Ali Rajas of Cannanore: Status and Identity at the interface of Commercial and Political Expansion, 1663-1723".

Whereas in all this he has given us convincing proof of his erudition and care, we have presented him the honourable certificate of competence [i.e. the doctoral degree certificate] to which he is entitled.

Consequently, by virtue of the authority bestowed upon us, we have created and claimed him a doctor in the approved way, and we have granted him all the rights and honours which by law and custom regularly pertain to those legitimately admitted to the doctorate<sup>1</sup>.

As confirmation and testimony hereof, the present official diploma, signed by the Rector Magnificus, the Supervisor(s) of the thesis, and the Secretary, and certified with the Great Seal of the University, was handed over to him by us.

Issued at Leiden, on the 12<sup>th</sup> day of the month December in the year 2007.

signature  
Rector Magnificus

signature(s)  
Supervisor(s)

signature  
Secretary of the Committee of  
Opponents [being the Dean of  
the Faculty]

Prof. Dr. P.F. van der Heijden  
rector magnificus



Handwritten signature in green ink

<sup>1</sup> For the readers' information: the holder of the doctoral degree certificate is entitled to add to his/her name the title of 'doctor' (abbr. 'dr.').



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി

FACULTY OF HUMANITIES

The Senate of the University of Calicut hereby makes it known that

Sreevidhya. V.

has been admitted to the Degree of

Doctor of Philosophy

in

History

she having been certified by duly appointed Examiners to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

CALICUT UNIVERSITY

Pin- 673 635

Date..... 31/03/2008

[Signature] VICE CHANCELLOR

[Signature]



Fr. Dr. Jolly Andrews Assistant Professor- In-charge of Principal Christ College (Autonomous) Irinjalakuda

Nº 121198





**FACULTY OF LANGUAGE AND LITERATURE**

The Senate of the University of Calicut hereby makes it known that

**Ambily. M.V.**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Malayalam*

she having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

**Vice - Chancellor**

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635  
Date 03/03/2022



No. 0965389

Register No. EA/Ph. D/576/SSUS/2018

& Year 2020



# Sree Sankaracharya University of Sanskrit

KALADY, KERALA

FACULTY OF INDIAN LANGUAGES

*The Academic Council of the Sree Sankaracharya University of Sanskrit hereby makes known that*

*C V Sudheer*

*has been admitted to the*

*Degree of Doctor of Philosophy*

*he/she having been certified by duly appointed examiners to be qualified to receive the same.*

*Subject Malayalam*

*Title of the Thesis Malayala Vyakaranakruthikalile*

*Vakya Visharam*

*Given under the seal of the University.*

Kalady

16.07.2021



*Mamini*  
*Alfred*  
Vice-Chancellor

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

**Seena. V.**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Mathematics*

she having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

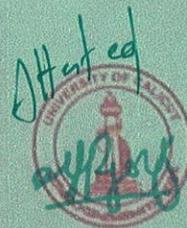
Given under the seal of the University



CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 28/10/2017

Date .....

  
Vice - Chancellor

  
UNIVERSITY OF CALICUT



**Fr. Dr. Jolly Andrews**  
Assistant Professor  
Incharge of Principal  
Christ College (Autonomous)  
Irinjalakuda

राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट  
National Institute of Technology Calicut



*Upon the recommendation of the Senate hereby confers on*

**SHINTO K G**

*the degree of*

*Doctor of Philosophy*

*in the year 2019*

*Based on the thesis entitled:*

**TARGET SETTING IN DEA MODELS**

*Given at the National Institute of Technology Calicut*

*on 21<sup>st</sup> September, 2019*

*Attested  
officer*

*[Signature]*  
Registrar



*[Signature]*  
Director

*[Signature]*  
Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda  
Chairman  
Board of Governors



**CHRIST**

(DEEMED TO BE UNIVERSITY)  
BANGALORE · INDIA



*The Board of Management of Christ (Deemed to be University)  
hereby makes known that*

**VINCENT N S**

*with Registration Number*

**1045303**

*is admitted to the Degree of*

**DOCTOR OF PHILOSOPHY IN MATHEMATICS**

*in recognition of the fulfilment of the requirements for the award  
of the said degree in the year 2018.*

*Title of the Thesis*

**A Study of Fractal Properties of  
Turbulent Functions**

*Given under the Seal of Christ (Deemed to be University)*

*Fr. Dr. Jolly Andrews*  
*Vice Chancellor*

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

**Bengaluru**  
27 May 2018





**FACULTY OF SCIENCE**

The Senate of the University of Calicut hereby makes it known that

**Joju. K.T.**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Mathematics*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

Vice - Chancellor



CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635

28/01/2016

Date .....

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

No. 0568048



Folio :D 10905



# BHARATHIAR UNIVERSITY

COIMBATORE - 641 046

## Ph.D. PROVISIONAL CERTIFICATE

This is to certify that

**BINTU T KALYAN**

has qualified for

the award of the Degree of

**DOCTOR OF PHILOSOPHY**

of this University in

**PHYSICAL EDUCATION**

on **11/03/2020**

after having

completed the requirements prescribed for the award of the Degree. \*

\* **under external part time mode.**

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Injalakuda



Controller of Examinations i/c

Coimbatore 641 046

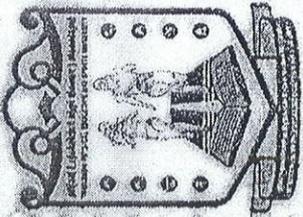
Date : **29 MAY 2020**



Folio No. : 0462

தமிழ்நாடு உடற்கல்வியியல் மற்றும் விளையாட்டு பல்கலைக்கழகம்  
TAMILNADU PHYSICAL EDUCATION AND SPORTS UNIVERSITY  
CHENNAI

Reg.No.F1601PEPW075



**PH.D. PROVISIONAL CERTIFICATE**

*This is to certify that*

WILSON JOSEPH THARAYIL

has qualified for the award of the Degree of DOCTOR OF PHILOSOPHY  
of this University in PHYSICAL EDUCATION on 06-10-2020 after

having completed the requirements prescribed for the award of the Degree.



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Chennai

Date : 06-10-2020



Controller of Examinations

Registrar



क्रम सं./Serial No : CUK/16/001139

पंजीकरण सं./Register No : MPH071303



# केरल केंद्रीय विश्वविद्यालय Central University of Kerala

गणित एवं भौतिक विज्ञान स्कूल  
School of Mathematical and Physical Sciences

केरल केंद्रीय विश्वविद्यालय के कुलपति, शैक्षिक परिषद् एवं कार्यकारी परिषद्, विधिवत् नियुक्त परीक्षक मंडल के सिफारिशों के आधार पर घोषणा करते हैं कि

अजित आर

को

वर्ष 2016 में



भौतिक विज्ञान

में

डॉक्टर ऑफ फिलॉसफी

की उपाधि प्रदान की गई है।

प्रबंध का शीर्षक: प्लासमोन एसिस्टेड ऑप्टिकल प्रोपर्टीस ऑफ लीनियर एण्ड नॉन-लीनियर नानो सिस्टम्स

The Vice Chancellor, the Academic Council and the Executive Council  
of the Central University of Kerala, on the recommendations of the duly appointed Board of Examiners,  
hereby declare that

*AJITH R*

has been awarded the Degree of

**DOCTOR OF PHILOSOPHY**

in

**Physics**

in the year 2016



Title of Thesis: Plasmon Assisted Optical Properties of Linear and Non-Linear Nano Systems

विश्वविद्यालय की मुहर के तहत / Given under the Seal of the University

कासरगोड / Kasargod - 671316

तारीख / Date : 06.06.2017



*[Signature]*  
कुलपति

VICE CHANCELLOR



# National Institute of Technology Tiruchirappalli

hereby confers the degree of

*Doctor of Philosophy*

*of the institute*

*on*

**EDWIN JOSE**

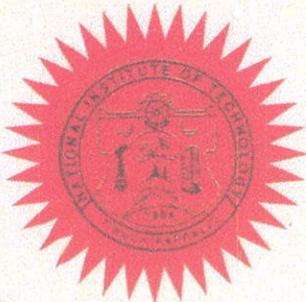
*for successfully completing the prescribed programme  
of study and presenting the thesis entitled*

**A Study on the Silar Deposition of  
Cu-Zn-S Thin Films and its Application  
as Hole Transport Layer in Organic Solar Cells**



*Given this day the Twenty Fifth of September 2021*

*Under the seal of the Institute*



TIRUCHIRAPPALLI - 620 015, INDIA



*Attst ed  
allgoy*

*M. A  
Registrar*



*Director*

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Chairperson  
Board of Governors*



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்

FACULTY OF SCIENCE



பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
ஜூலி ஆன்ட்ரூஸ், 2014 ஆம் ஆண்டு, ஆகஸ்ட் 19 ஆம் நாளில் இயற்பியல் என்னும் பிரிவில்  
ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று, அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக இலச்சினையுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that JOLLY ANDREWS  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in PHYSICS,  
having been certified by duly appointed Examiners to be qualified to receive the same on 19th AUGUST 2014.



கோயம்புத்தூர்  
Coimbatore



Attended  
Given under the Seal of the University.  
effg

Fr. Dr. Jolly Andrews  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous) Injalakuda

பதிவாளர்  
Registrar

அனைத்துவாந்தர்  
Vice-Chancellor

6050497



0023053

# Cochin University of Science and Technology



## FACULTY OF SCIENCE

The Academic Council of the Cochin University of Science and Technology hereby makes known that..... Shaju K Y

is admitted to the Degree of

## DOCTOR OF PHILOSOPHY

under the Faculty of Science, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the Seal of the University, this day, the..... 16th July, 2015

Sl. No.: 0023053  
University Buildings  
Kochi - 682 022  
Issued on 05/08/2015



*Attest of*  
*officer*

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*[Signature]*  
Vice-Chancellor.

# Cochin University of Science and Technology



## FACULTY OF SCIENCE

The Academic Council of the Cochin University of Science and Technology hereby makes known that..... **SUDHEER SEBASTIAN K**

is admitted to the Degree of

## DOCTOR OF PHILOSOPHY

under the Faculty of Science, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the Seal of the University, this day, the..... 08<sup>th</sup> April, 2011

University Buildings  
Kochi - 682 022

Issued on ..... September 14, 2011



*Handwritten signature*

*Handwritten signature*  
Vice-Chancellor.



**H. D. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)

# Cochin University of Science and Technology



## FACULTY OF TECHNOLOGY

The Academic Council of the Cochin University of Science and Technology hereby makes known that Joseph. V.P. is admitted to the Degree of

### DOCTOR OF PHILOSOPHY

under the Faculty of Technology, he/she having been certified by duly appointed examiners to be qualified to receive the same.

Given under the Seal of the University, this day, the 28<sup>th</sup> July 2000. 12

University Buildings,  
Cochin - 682 022.



Attest of  
*affgork*  
Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*[Signature]*  
Vice-Chancellor.

# Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.C1/85/Law, dated 17th April 1985)



## FACULTY OF SCIENCE

*The Syndicate of the Mahatma Gandhi University  
hereby makes known that*

**Sri. XAVIER JOSEPH**

*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY**  
*in*  
**Physics**

*he having been certified by duly appointed examiners to be qualified to  
receive the same.*

*Title of the Thesis : Spectroscopic and Dielectric Studies of Certain RE<sup>3+</sup>  
Doped Tellurite Based Glasses*

*Given under the seal of the University*

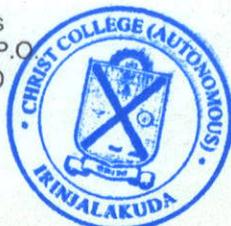
Date of Syndicate Decision:05-03-2016

*Attest ed  
officer*

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Vice-Chancellor*

University Buildings  
Priyadarshini Hills P.O.  
Kottayam - 686 560  
Kerala, India  
Dated : 20-June-2016



नामांकन सं.  
Enrolment No. 10 PHD 139



क्रमांक  
Sl. No. 770

# वन अनुसंधान संस्थान

(सम विश्वविद्यालय)  
देहरादून

श्री/सुश्री- सुरेश के. गोविन्द

को प्रबन्ध परिषद् की संस्तुति पर वानिकी में डॉक्टर ऑफ फिलासफी की उपाधि  
वाइल्डलाइफ साइंस में उनके शोध प्रबन्ध, स्टडीज ऑन ह्यूमन-  
वाइल्डलाइफ कन्फ्लिक्ट इन सेंट्रल केरल, इण्डिया  
पर दिनांक 28-09-2015 को प्रदान की जाती है।

## Forest Research Institute

(Deemed to be University)  
Dehradun

On the recommendation of Board of Management Mr./Ms.

*Suresh K. Govind* is awarded the degree  
of Doctor of Philosophy in Forestry *Wildlife Science*

on 28-09-2015 on his/her thesis entitled  
*Studies on human-wildlife conflict in central  
Kerala, India*

*Attested  
signature*

देहरादून  
Dehradun  
Date 17.8.2016



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakota

निदेशक  
Director



# Mahatma Gandhi University



*FACULTY of Language & Literature*

*The Syndicate of the Mahatma Gandhi University*

*hereby makes known that*

*Vinitha E.*

*has been admitted to the Degree of*

## DOCTOR OF PHILOSOPHY

*in Sanskrit (Vyakarana)*

*He/she having been certified by duly appointed examiners to be qualified to receive the same.*

*Title of the Thesis: Samasa in Siddhanta-kamudi  
and Prakriyasavasa - A  
Comparative Study*

*Given under the seal of the University*

*Date of Syndicate Decision: 20.09.2012.*



MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Attst of  
Jolly*



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
சமூக அறிவியல் புலம்  
FACULTY OF SOCIAL SCIENCES

பாரதியார் பல்கலைக்கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு அஜீஷ் கே ஜி, 2023ஆம் ஆண்டு மார்ச் 11ல் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக்கழக இலச்சினையுடன் பாரதியார் பல்கலைக்கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that AJEESH K G has been admitted to the Degree of DOCTOR OF PHILOSOPHY having been certified by duly appointed Examiners to be qualified to receive the same on 11th MARCH 2023.

Title of the Thesis : Psychosocial Factors and Resilience Building Aftermath of Flood Survivors in Ernakulam District, Kerala State

Subject : SOCIAL WORK

Given under the seal of the University



தேர்வாணையர் (பொ)  
Controller of Examinations i/c

பதிவாளர் (பொ)  
Registrar i/c



கோயம்புத்தூர்  
Coimbatore  
நாள்

Dated: 24<sup>th</sup> August 2023.  
alphd0683

துணைவேந்தருக்காக  
for Vice-Chancellor



# THE GANDHIGRAM RURAL INSTITUTE

(Deemed to be University)

Estd. u/s 3 of the UGC Act and Administered by Ministry of Human Resource Development, Govt. of India  
Accredited by NAAC with 'A' Grade (3rd Cycle)

*On the recommendation of the Board of Management  
hereby confers on*

**JOY.V.K**

[Son of KUNJUVAREED and  
KATHREENA ]

*the degree of*

**DOCTOR OF PHILOSOPHY**

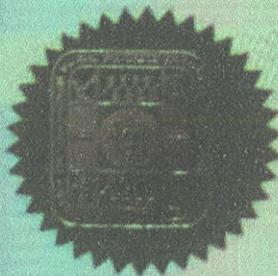


*for having completed the prescribed programme of study  
and*

*Presented the thesis titled*

**INTERVENTION STRATEGIES FOR HIV/AIDS INFECTED WOMEN IN KERALA:  
AN APPRAISAL OF MODELS OF SOCIAL INCLUSION AND SOCIAL CAPITAL**

*Given this day the Thirteenth of September 2019*



Gandhigram - 624 302  
Tamil Nadu  
Date: 13.09.2019



*[Signature]*  
Controller of Examinations

*[Signature]*  
Registrar

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda

*Given under the Seal of the Institute*

*[Signature]*



*[Signature]*  
Vice-Chancellor



FACULTY of **Science**

The Syndicate of the Mahatma Gandhi University

hereby makes known that

**Mariyamma K.D**

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in **Statistics**

she having been certified by duly appointed examiners to be qualified to receive the same.

Title of the Thesis: **A STUDY ON DISCRETE DISTRIBUTIONS AND INTEGER VALUED AUTOREGRESSIVE (INAR) PROCESSES**

Given under the seal of the University

Date of Syndicate Decision: **18.01.2014**

MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA

Date: **23 May 2014**

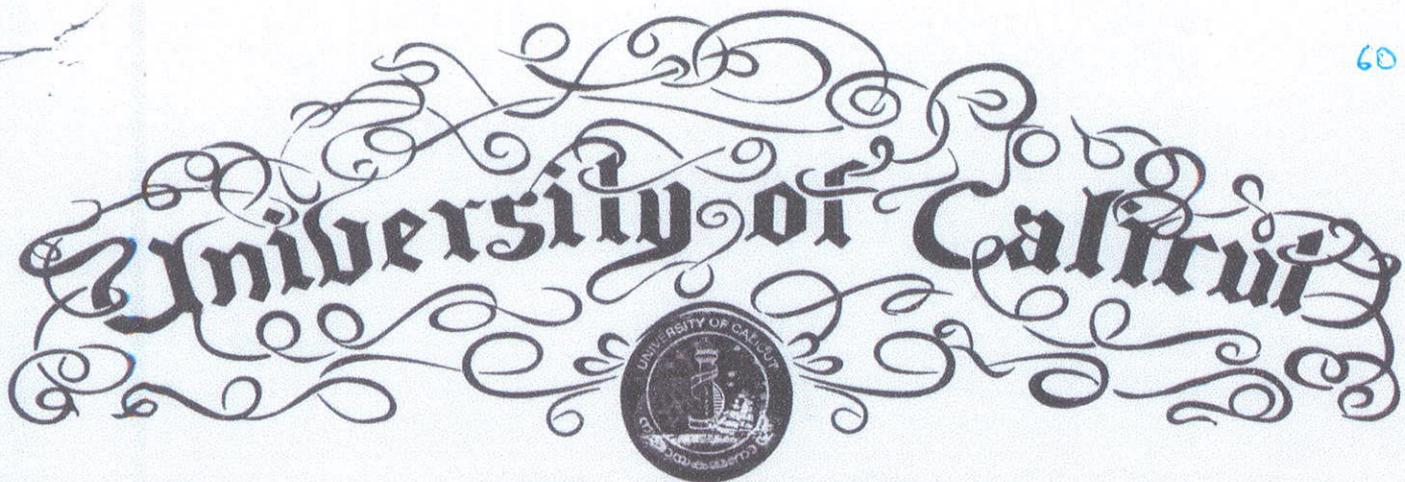


Vice Chancellor

*Attached  
all yours*



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി

FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

*Davis Antony Mundassery*

has been admitted to  
the Degree of

*Doctor of Philosophy*

in  
*Statistics*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

CALICUT UNIVERSITY

Pin-673 635

Date..... 29/10/2008

*A. Zuber*

VICE CHANCELLOR

*Albert Jolly Andrews*  
**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



Nº 146873



**FACULTY OF SCIENCE**

The Senate of the University of Calicut hereby makes it known that

**Abhilash Peter**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Zoology*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

*Attested  
officer*

**Vice - Chancellor**



**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635  
25/02/2017  
Date .....

No. 0645104



**FACULTY OF SCIENCE**

The Senate of the University of Calicut hereby makes it known that

**Bijoy. C.**

has been admitted to

the Degree of

*Doctor of Philosophy*

in

*Zoology*

he having been certified by duly appointed Examiners  
to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

*Handwritten signature in green ink.*

*Handwritten signature in blue ink.*

**Vice - Chancellor**



**Fr. Dr. Jolly Andrews**  
Assistant Professor  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN 673 635  
29/04/2017  
Date .....



കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി

FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

Leyon Varghese

has been admitted to

the Degree of

Doctor of Philosophy

in

Immunology

he having been certified by duly appointed Examiners to be qualified to receive the same

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

CALICUT UNIVERSITY

Pin-673 635

24/09/2005

Date.....

Munai VICE CHANCELLOR

Handwritten signature of Fr. Dr. Jolly Andrews



Fr. Dr. Jolly Andrews Assistant Professor-In-charge of Principal Christ College (Autonomous) Irinjalakuda

Nº 010791





.....அறிவியல் புலம்  
**FACULTY OF SCIENCE**  
.....

2017

ஆம் ஆண்டில் சென்னைப் பல்கலைக்கழகத்தில் ஆய்வு நிகழ்த்தி  
வழங்கிய ஆய்வேட்டுக்காக முனைவர் பட்டம் பெறத் தகுதியுடையவர் என்று தக்க  
தேர்வாளர்களால் சான்றளிக்கப்பட்டு டில்லா ஜோஸ்

பெறப்பட்டு முனைவர் பட்டம் அளிக்கப்படுகிறது என்று சென்னைப் பல்கலைக்கழகப் பேரவை  
அறிவிக்கிறது.

சென்னைப் பல்கலைக்கழக இலச்சினையுடன், சென்னையில் 2018 ஆம் ஆண்டு  
மே 5 திங்கள் 5 ஆம் நாள் அளிக்கப்பட்டது.

*The Senate of the University of Madras hereby makes known that  
DILLA JOSE has been conferred the*

**DEGREE OF DOCTOR OF PHILOSOPHY**

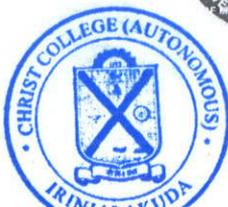
*he/she having been certified by duly appointed examiners to be qualified to  
receive the same in the year 2017.*

*Given under the seal of the University of Madras, at Chennai this  
5<sup>th</sup> day of May 2018.*

*Title of the Thesis :* "AMELIORATIVE EFFECT OF CURCUMIN ON PARAQUAT  
INDUCED TOXICITY IN INTESTINAL AND LUNG CANCER  
CELL LINES *IN VITRO* VIA Nrf2 ACTIVATION" (Zoology)  
ஆய்வுத் தலைப்பு :

Ph.D. Degree has been awarded in accordance with the minimum standards and procedure of the regulations of the University Grants Commission 2009.

பதிவாளர்  
Registrar



Fr. Dr. Jolly Andrews  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda  
துணை வேந்தர்  
Vice-Chancellor

# Mahatma Gandhi University



FACULTY of... *Science*.....

The Syndicate of the Mahatma Gandhi University  
hereby makes known that

*Sudhikumar A.V*

has been admitted to the Degree of

**DOCTOR OF PHILOSOPHY**

in... *Zoology*.....

he/she having been certified by duly appointed  
examiners to be qualified to receive the same.

Title of the Thesis: *Studies on the Taxonomy  
and Bionomics of Some Predacious  
Spiders on insect pests of Rice  
Agroecosystem in Kuttanad, Kerala*

Given under the seal of the University

Date of Syndicate Decision: *18.11.2008*

MAHATMA GANDHI UNIVERSITY  
PRIYADARSHINI HILLS  
KOTTAYAM - KERALA

Date: *22 DECEMBER 2008*



*Attested*  
*Fr. Dr. Jolly Andrews*  
Vice Chancellor

**Fr. Dr. Jolly Andrews**  
Assistant Professor-  
In-charge of Principal  
Christ College (Autonomous)  
Irinjalakuda



## FACULTY OF SCIENCE

The Senate of the University of Calicut hereby makes it known that

**Sumesh. N.V.**

has been admitted to the Degree of

*Doctor of Philosophy*

in

*Zoology*

he having been certified by duly appointed Examiners

to be qualified to receive the same

TITLE OF THE THESIS:

*Diversity and Guild Structure of Spiders in the Selected Sacred Groves of Northern Kerala*

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635  
Date 04/03/2022  
Date .....

  
Vice - Chancellor



No. 0965394