

Bidhan Chandra Krishi Viswavidyalaya



This is to certify that
Swapan Kumar Ghosh

obtained

The Degree of
Doctor of Philosophy (Agriculture)

in this Viswavidyalaya in the year 1992
on fulfilment of the prescribed requirements,
the field of his / her study being

Plant Pathology

Mohampur, West Bengal

10 MAR 1993

Dr. D. C. Deb
Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Biswajit Ghosh

obtained the degree of Doctor of Philosophy
(Science) in Botany
in this University in the year 1993.

Senate House,
The 25th February, 1994.

R. Basu
Vice-Chancellor.

University Of Kalyani



This to Certify that

Nilay Chakraborty

obtained the Degree of Doctor of Philosophy (Science) in

Botany

in this University

in the year 2013.

Kalyani
08 AUG 2013

Dilip Kumar Mohanta
Vice-Chancellor

NORTH ORISSA UNIVERSITY



ଉତ୍ତର ଓଡ଼ିଶା ବିଶ୍ୱବିଦ୍ୟାଳୟ

SL No. : 9

DIPLOMA FOR DOCTOR OF PHILOSOPHY (Ph.D.)

ବିଦ୍ୱଷଣ ଉପାଧି ପତ୍ର

This is to certify that

HARISANKAR DEY

who passed the examination for the degree of

DOCTOR OF PHILOSOPHY

in..... **BOTANY**..... *held in the*

month of..... **DECEMBER, 2011,** *was this day*

admitted to the Degree.

..... ୨୦୧୧ ମସିହା..... ଡିସେମ୍ବର..... ମାସରେ ଅନୁଷ୍ଠିତ

..... ବିଜ୍ଞାନ..... ବିଦ୍ୱଷଣ

ଉପାଧି ପରୀକ୍ଷାରେ..... ଭର୍ତ୍ତିକ ବିଜ୍ଞାନ.....ରେ ଉତ୍ତୀର୍ଣ୍ଣ

..... ହରିଶଙ୍କର ଦେ.....

ଅତ୍ୟା ଏହି ଉପାଧି ପ୍ରଦତ୍ତ ହେଲା ।

NORTH ORISSA UNIVERSITY
SRIRAM CHANDRA VIHAR, BARIPADA
The 1st February, 2014


VICE-CHANCELLOR

ଉତ୍ତର ଓଡ଼ିଶା ବିଶ୍ୱବିଦ୍ୟାଳୟ
ଶ୍ରୀରାମ ଚନ୍ଦ୍ର ବିହାର, ବାରିପଦା
ତା ୧ ଫେବୃଆରୀ, ୨୦୧୪

ସ୍ୱାକ୍ଷର ମହାନ୍ତି
ବିକ୍ରମ

253

253

UNIVERSITY OF CALCUTTA



This is to certify that

Anirban Kundu

obtained the degree of **Doctor of Philosophy**
(Science) in *Genetics*

in this University in the year 2013.

Sulanjan Das.
Vice-Chancellor.

Senate House,
The 20th November, 2013

Prof. Dr. Soma Bandyopadhyay
Registrar (Acting)



20614012543X03
University of Calcutta

Senate House

87/1, College Street

Kolkata - 700 073

Phone : +91-33-2241-0071/4984

Fax : +91-33-2241-3222/88

eMail : ohdcaluni@yahoo.co.in

Letter: 3063/Ph.D.(Sc.)

Dated: 28th April 2016

To
Sri Biswajit Roy
31(22/A) Kalianibas Main Road(N),
Nona-Chandan Pukur, 24Pgs(N),
Kolkata-700122.

Dear Sir,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the **Ph.D.(Sc.)** Degree of this University and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **April 28, 2016** in **Botany**.

Yours faithfully,

Soma Bandyopadhyay
(Soma Bandyopadhyay)
Registrar (Acting)
28/04/2016

Title of Thesis : **Taxonomic Investigation Of Some Indian Members Of The Sapindaceae In Relation To Morphology Of Flowers, Seeds And Seedlings.**

UNIVERSITY OF CALCUTTA



This is to certify that

Mr. Kumar Achoudhury

obtained the degree of **Doctor of Philosophy**
(Science) in *Biology*
in this University in the year 2011.

*Senate House,
The 22nd March, 2012*

Suman Das
Vice-Chancellor.

The Registrar
University of Calcutta



University of Calcutta

Senate House

87/1, College Street

Kolkata - 700 073

Phone : +91-33-2241-0071/4984

Fax : +91-33-2241-3222/88

eMail : phdcaluni@yahoo.co.in

Letter: 2742/Ph.D.(Sc.)

Dated: 19th April 2017

To
Sri Anirban Bhar
 Lalbagan, Golapbagan,
 Chandannagar, Hooghly, Pin- 712136.

Dear Sir,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the **Ph.D.(Sc.)** Degree of this University and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **April 19, 2017** in **Biotechnology**.

Yours faithfully,


Registrar

Title of Thesis : A Molecular Approach Towards Understanding Plant-Pathogen Interaction-Dynamics Between Chickpea (*Cicer arietinum*. L) And *Fusarium oxysporum* f. sp. *ciceris* Race-1 (Foc1).

20 APR 2017

UNIVERSITY OF CALCUTTA



This is to certify that

Chandrakanta Bandyopadhyay

obtained the degree of Doctor of Philosophy
(Science) in *Chemistry*

in this University in the year 1987.

Raychandhuri
Vice-Chancellor.

Senato House,
The 15th April 1988

15
15

UNIVERSITY OF CALCUTTA



This is to certify that

Tapaskumar Ghosh
obtained the degree of **Doctor of Philosophy**
(Science) in Chemistry
in this University in the year 1993.

R. Basu

Vice-Chancellor.

Senate House,
The 25th February, 1994.

UNIVERSITY OF CALCUTTA



This is to certify that

Kumarranabir Sur

obtained the degree of **Doctor of Philosophy**
(Science) in *Chemistry*
in this University in the year 1993.

*Senate House,
The 25th February, 1994.*

R. Basu
Vice-Chancellor.

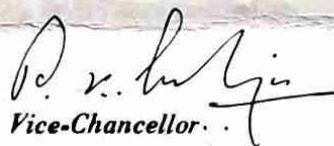


Jadaupur University

Certified that
Sri Ranjan Patra

was admitted to the Degree of Doctor of Philosophy in Science of this
University on 18.08.93 and that the degree was conferred on
him/her at the Convocation held in December, 1993 with all the Rights
and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor
of Jadaupur University are hereunto affixed.


Vice-Chancellor


Chancellor

The 24th December-1993



University Of Pune

(Formerly
University of Poona)



पुणे विद्यापीठ

We, the Chancellor,
the Vice Chancellor and
the Members of the Management Council
and the Academic Council of the
University of Pune certify
that Banerjee
Subhabrata

having been examined and found duly
qualified for the degree of

Doctor of Philosophy

(Chemistry)

The said degree has been conferred on him.
In testimony whereof is set
the seal of the said University

आम्ही, पुणे विद्यापीठाचे कुलपति, कुलगुरु
आणि व्यवस्थापन परिषद व विद्या परिषद सदस्य,
प्रमाणित करितो की,

बनर्जी
सुभद्रा

विद्यावाचस्पति

(रसायनशास्त्र)

पदवीस पात्र झाल्याबद्दल त्यांना ही पदवी प्रदान
करण्यात येत आहे.
याची साक्ष म्हणून विद्यापीठाची अधिकृत मुद्रा येथे
अंकित करण्यात येत आहे.

23rd January 2002

A. S. Walaskar
Vice Chancellor

अजोब कोळस्कर
कुलगुरु

20100179



Certified that

Sri Buddhadeb Dutta

was admitted to the Degree of Doctor of Philosophy in Science of this University on 02/07/2010 and that the degree was conferred on him/her at the Convocation held in December 2010 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadaupur University is hereunto affixed.



JADAVPUR UNIVERSITY
The 24th December, 2010

Prady Narayan S&S
Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Bipul Mondal

obtained the degree of Doctor of Philosophy
(Science) in *Chemistry*

in this University in the year 2010.

Senate House,
The 5th October, 2010.

Sulanjan Das
Vice-Chancellor.

Bengal Engineering and Science University, Shibpur

Howrah-711 103, West Bengal, India



This is to certify that

Debabrata Jana

*obtained the degree of Doctor of Philosophy
(Science) in Chemistry in this University
in the year 2012.*

KAV.
Vice Chancellor

The 19th January, 2013



Certified that

Sri Kraustab Mandal

was admitted to the Degree of Doctor of Philosophy in Science of this University on 22/08/2012 and that the degree was conferred on him/her at the Convocation held in December 2012 with all the Rights and Privileges thereto appertaining.

In Witness whereof the signature of the Vice-Chancellor of Jadaupur University is herewith affixed.



Shweta
Vice-Chancellor



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

SUPRATIM SUN

in recognition of the research work on

***Retention of Optical Transparency of Polycarbonate/Clay Nanocomposites:
Preparation and Characterizations***

Given under the seal of the Institute at Kharagpur on the Seventh day of August, Two Thousand and Fifteen


Registrar




Director



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

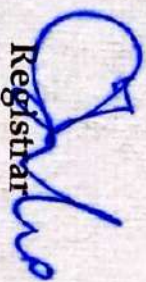
on

Sougata Sarkar

in recognition of the research work on

**Surface Enhanced Raman Spectroscopy and
Catalysis Involving Metal and Metal Hydroxide Nanomaterials**

Given under the seal of the Institute at Kharagpur on the Twentysecond day of August, Two Thousand and Eleven


Registrar




Director

UNIVERSITY OF CALCUTTA



This is to certify that

Kalipada Pal

obtained the degree of **Doctor of Philosophy**
(Science) in *Chemistry*
in this University in the year 1990 .

Basu Chandra
Vice-Chancellor.

Senate House,

The 26th March 1991.



Pravanjan Kumar Rana

having submitted a thesis entitled
"A study of functors and associated
topological spaces"

and having satisfied all the conditions
prescribed in this respect by the University, was
duly admitted to the degree of Doctor of Philosophy
in Science (Mathematics)
in the year 2002.

Rajbati, Burdwan

The 28th November, 2002.

Annair
Vice-Chancellor

University of Kalyani

Kalyani-741235, Nadia, West Bengal



ESTD. : 1960

Prof Debansu Ray
Registrar

Phone : (O) 2582-8750/8378/8293/
8478/8889/9356/8478
(D) 2502-5762
(F) 00-91-33-2582-2505
E-mail : registrar@klyuniv.ac.in
registrarklyuniv@gmail.com

Provisional Ph.D. Certificate

No. Ph.D./Math./PR/086(30)/2019

July 11, 2019

This is to certify that on the recommendation of the Board of Examiners, the thesis submitted by **Shri Partha Ray** for the award of **Ph.D. Degree** of this University and on the performance of his/her Ph.D. Open Viva vide Reg.12 (D.D.) & Reg.13 (D.D.) (as per Regulation 2014, K.U.), he/she has been admitted to the aforesaid degree on **25.06.2019** in **Mathematics** under the faculty of **Science**.

The Ph.D. Degree has been awarded in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009.

Title of the Thesis:

"Some operations research models in information and fuzzy systems"

His/Her Degree will be conferred by the Hon'ble Chancellor at the next Convocation of this University.


Registrar
REGISTRAR
University of Kalyani
Kalyani, Nadia-741235
West Bengal
11/7/19

University of Kalyani

Kalyani-741235, Nadia, West Bengal



Prof Debansu Ray
Registrar

Phone : (O) 2582-8750/8378/8293/
8478/8889/9356/8478
(D) 2502-5762
(F) 00-91-33-2582-2505
registrar@klyuniv.ac.in
E-mail : registrar@klyuniv@gmail.com

ESTD. : 1960

Provisional Ph.D. Certificate

No. Ph.D./Math./AKB/120(30)/2019

September 03, 2019

This is to certify that on the recommendation of the Board of Examiners, the thesis submitted by **Shri Abhishek Kanti Biswas** for the award of **Ph.D. Degree** of this University and on the performance of his/her Ph.D. Open Viva vide Reg.12 (D.D.) & Reg.13 (D.D.) (as per Regulation 2014, K.U.), he/she has been admitted to the aforesaid degree on **21.08.2019** in **Mathematics** under the faculty of **Science**.

The Ph.D. Degree has been awarded in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009.

Title of the Thesis:

"Some Deterministic Inventory Models in Fuzzy System"

His/Her Degree will be conferred by the Hon'ble Chancellor at the next Convocation of this University.


Registrar
REGISTRAR
University of Kalyani
Kalyani, Nadia-741235
West Bengal
3/9/19

University of Kalyani

Kalyani-741235, Nadia, West Bengal



Prof Debansu Ray
Registrar

Phone : (O) 2582-8750/8378/8293/
8478/8889/9356/8478
(D) 2502-5762
(F) 00-91-33-2582-2505
registrar@klyuniv.ac.in
E-mail : registrararklyuniv@gmail.com

ESTD. : 1960

Provisional Ph.D. Certificate

No. Ph.D./Math./BC/031(29)/2017

December 05, 2017

This is to certify that on the recommendation of the Board of Examiners, the thesis submitted by *Shri Bikash Chakraborty* for the award of **Ph.D. Degree** of this University and on the performance of his/her Ph.D. Open Viva vide Reg.12 (D.D.) & Reg.13 (D.D.) (as per Regulation 2014, K.U.), he/she has been admitted to the aforesaid degree on **23.11.2017** in *Mathematics* under the faculty of *Science*.

The Ph.D. Degree has been awarded in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009.

Title of the Thesis:

"Some Aspects of Uniqueness Theory of Entire and Meromorphic Functions"

His/Her Degree will be conferred by the Hon'ble Chancellor at the next Convocation of this University.


Registrar
REGISTRAR
University of Kalyani
Kalyani, Nadia-741235
West Bengal

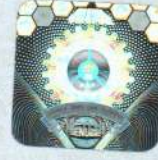
भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

अभिषद् की अनुशंसा पर

क्षितीश चन्द्र मिस्त्री

को

विद्या वाचस्पति की उपाधि शोध प्रबंध शीर्षक



थ्योरेटिकल इन्वेस्टीगेशन ऑफ सम इलास्टोडायनामिक प्रोब्लेम्स इन लेयर्ड मीडिया

में, विनियमों में विहित अर्हताओं को दिनांक 3 नवम्बर 2017 को सफलतापूर्वक पूर्ण कर लेने के उपरांत, भारतीय गणराज्य के अंतर्गत धनबाद में यह मुद्रांकित उपाधि दिनांक 13 अप्रैल 2018 को प्रदान करता है।

Indian Institute of Technology (Indian School of Mines), Dhanbad

On the recommendation of the Senate, hereby confers upon

Rshitish Ch. Mistri

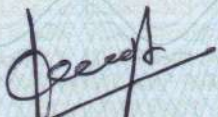
the Degree of Doctor of Philosophy

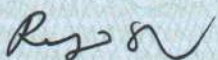
on the Research Title

THEORETICAL INVESTIGATION OF SOME ELASTODYNAMIC PROBLEMS IN LAYERED MEDIA

on successful completion of the requirements prescribed under the regulations, on 3rd November, 2017 for the award of this degree.

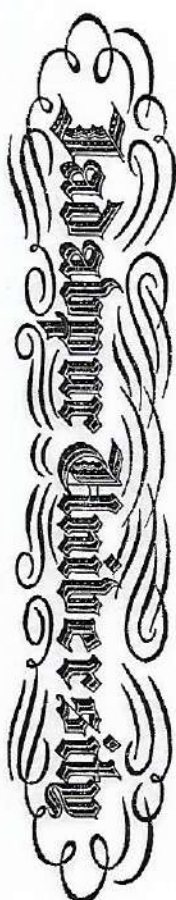
Given this day, under the seal of the Institute at Dhanbad in the Republic of India, the 13th day of April, 2018.


कुलसचिव
Registrar


निदेशक एवं अध्यक्ष, अभिषद्
Director &
Chairman, Senate


अध्यक्ष, शासक मंडल
Chairman,
Board of Governors

A9D000039



Certified that

Sri Jhonindra Nath Das

was admitted to the Degree of Doctor of Philosophy in Science of this University on 07.05.2018 and that the degree was conferred on him / her at the Convocation held in December 2018 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadavpur University is herewith affixed.

JADAVPUR UNIVERSITY
The 24th December, 2018



Sudanian Das
Vice-Chancellor

20135194



Jadavpur University

Certified that

Sri Bibhabasu Hazra

was admitted to the Degree of Doctor of Philosophy in Science of this University on 27/06/2013 and that the degree was conferred on him/her at the Convocation held in December 2013 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadavpur University is hereunto affixed.



JADAVPUR UNIVERSITY

The 24th December, 2013


Vice-Chancellor

209
200

UNIVERSITY OF CALCUTTA



This is to certify that

Sekhar Dal

obtained the degree of Doctor of Philosophy
(Science) in Biochemistry
in this University in the year 2014.

Senate House,

The 28th November, 2014

Sulanjan Das
Vice-Chancellor.

UNIVERSITY OF CALCUTTA



This is to certify that

Subrata Kundu

obtained the degree of Doctor of Philosophy
(Science) in *Genetics*

in this University in the year 2012.

Senate House,
The 29th November, 2013

Sulanjan Das
Vice-Chancellor.

West Bengal State University



লক্ষ্য বিশ্বমানম্

Certified that

SUJOY PAL

*was admitted to the Degree of Doctor of
Philosophy (Science) in Botany of the
University on 28th August, 2018 and that the
degree was conferred on him at the Convocation
held on 25th February, 2019 with all the
Rights and Privileges thereto appertaining.*

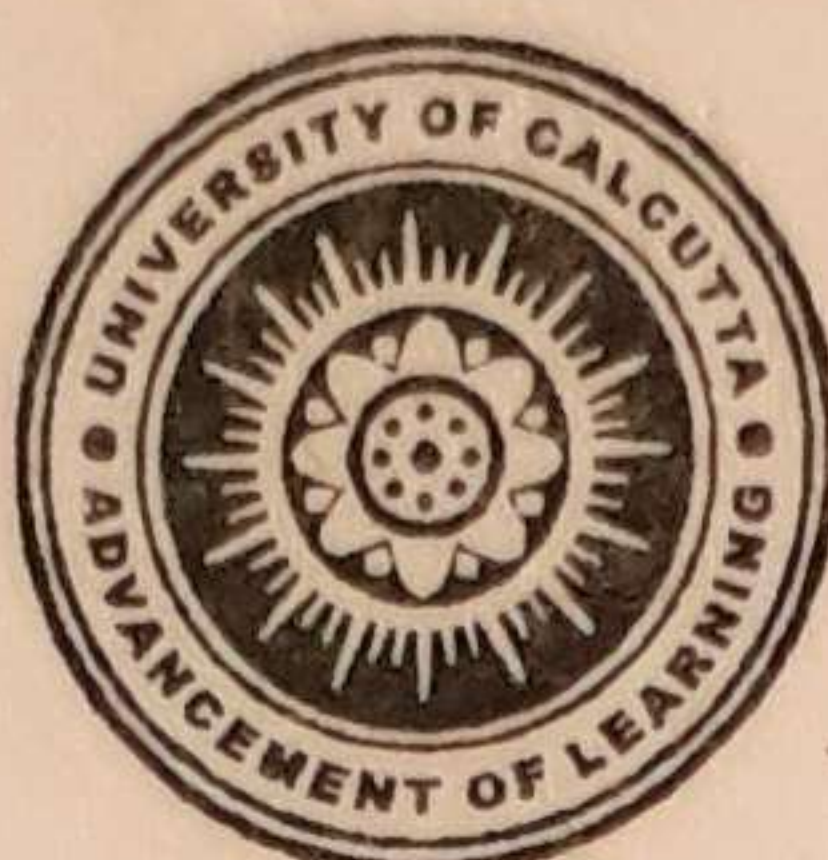


Place : Barasat, Kolkata-700 126

Dated : The 25th day of February, 2019

Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Soumyadip Paul

obtained the degree of Doctor of Philosophy

(Science) in Biochemistry

in this University in the year 2019 .

Senate House,
The 28th day of January, 2020

Souali Chakravarti Banerjee
Vice-Chancellor.

West Bengal State University



लक्ष्यं विश्वमानम्

Certified that

CHAYAN HALDER

*was admitted to the Degree of Doctor of
Philosophy (Science) in Computer Science of
the University on 20th March, 2018 and that
the degree was conferred on him at the
Convocation held on 25th February, 2019 with
all the Rights and Privileges thereto
appertaining.*



Place : Barasat, Kolkata-700 126

Dated : The 25th day of February, 2019

Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Nsokkumar Pal

obtained the degree of Doctor of Philosophy
(Science) in *Physics*
in this University in the year 2002.

Senate House,
The 5th. April, 2002.

A. K. Banerjee
Vice-Chancellor.

20030148



Certified that

Sri Chandan Kumar Das

was admitted to the Degree of Doctor of Philosophy in Science of this University on 26/03/2003 and that the degree was conferred on him / her at the Convocation held in December 2003 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadaupur University are herewith affixed.

Vice-Chancellor

The 24th December, 2003



Chancellor

8

UNIVERSITY OF CALCUTTA



This is to certify that

Rajen Kundu

obtained the degree of Doctor of Philosophy
(Science) in *Physics*
in this University in the year 2000.

Senate House,
The 15th June 2001

A. K. Banerjee
Vice-Chancellor.

UNIVERSITY OF CALCUTTA



This is to certify that

Sankhasubhra Nag

obtained the degree of **Doctor of Philosophy**
(Science) in *Physics*
in this University in the year 2007.

Senate House,
The 3rd. May, 2007

A. K. Banerjee
Vice-Chancellor.

UNIVERSITY OF CALCUTTA



This is to certify that

Anjan Kumar Chandra

obtained the degree of Doctor of Philosophy
(Science) in *Physics*
in this University in the year 2008 .

Senate House,

The 23rd September, 2008

Sulanjan Das
Vice-Chancellor.

7
7

UNIVERSITY OF CALCUTTA



This is to certify that

Palash Nath

obtained the degree of Doctor of Philosophy
(Science) in Physics
in this University in the year 2015 .

Sonali Chakravarti Banerjee

Vice - Chancellor

Senate House,
The 11th day of January, 2018

University Of Kalyani



This is to Certify that

Pradyot Kumar Medda

obtained the Degree of Doctor of Philosophy (Science) in

Zoology

in this University

in the year 1987.

Kalyani

9 MAY 1989

H. K. Dasgupta
Vice-Chancellor

568

THE UNIVERSITY OF BURDWAN



Debkumar Datta

having submitted a thesis entitled *Toxic effects of lead and cadmium on the digestive system and kidney of two Indian Fresh water Teleosts, Mystus vittatus (Bloch.) and Labeo rohita (Hamilton)*"

and having satisfied all the conditions prescribed in this respect by the University, was duly admitted to the degree of **Doctor of Philosophy** in Science (Zoology) in the year 1988.

Rajbati, Burdwan
The 2nd Sept., 1988


Vice-Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Koontilya Bhattacharjee

obtained the degree of **Doctor of Philosophy**
(Science) in *Zoology*
in this University in the year 2011.

Suman Das
Vice-Chancellor.

Senate House,

The 22nd March, 2012

UNIVERSITY OF CALCUTTA



This is to certify that

Arunava Mukherjee

obtained the degree of Doctor of Philosophy

(Science) in Zoology

in this University in the year 2015 .

Senate House,
The 9th December, 2015

Sugata Majit
Vice Chancellor

UNIVERSITY OF CALCUTTA



This is to certify that

Ajay Mallik

obtained the degree of Doctor of Philosophy
(Science) in Biochemistry
in this University in the year 2016 .

Souali Chakravarti Banerjee

Vice - Chancellor

Sonali House,
The 11th day of January, 2018

University Of Kalyani



This is to Certify that

Tanmoy Paul

obtained the Degree of Doctor of Philosophy (Science) in

Microbiology

in this University

in the year 2017

K a l y a n i

S. Ghosh

Vice-Chancellor

07 SEP 2017

UNIVERSITY OF CALCUTTA



This is to certify that

Subham Mookerjee

obtained the degree of Doctor of Philosophy

(Science) in Zoology

in this University in the year 2019 .

Souali Chakravarti Banerjee
Vice-Chancellor.

Senate House,
The 28th day of January, 2020

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Dy. Registrar (Acg)
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University of Calcutta

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Letter: 06400/Ph.D.(Sc.)

Dated: 28th August 2018

To
Sri Subhajit Maity
78/A/1, Bhuban Mohan Roy Road,
Balsall Park, Kolkata-700008.

Dear Sir,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undernoted thesis submitted by you for the **Ph.D.(Sc.)** Degree of this University and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **August 28, 2018** in **Biophysics, Molecular Biology and Bioinformatics**.

Yours faithfully,

Debabrata Maity
28/08/18
Dy. Registrar (Acg)

Title of Thesis : **Studies On Naringenin As A Herbal Antidiabetic Agent In Free And Encapsulated State In Polymeric Vehicles.**

UNIVERSITY OF CALCUTTA



This is to certify that

Dannalal Das

obtained the degree of **Doctor of Philosophy**
(Science) in Zoology
in this University in the year 1990.

Senate House,

Blaybandhuri
Vice-Chancellor.

The 7th March, 1991.