

F9D00025



*Certified that*

**Sri Abir Bhattacharya**

*was admitted to the Degree of Doctor of Philosophy in Science of this University on 13.05.2015 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 hereto affixed.*



JADAVPUR UNIVERSITY  
The 24th December, 2015

*Sulanjit Das*  
Vice-Chancellor

# महात्मा गाँधी काशी विद्यापीठ



## डॉक्टर ऑफ़ फ़िलॉसफी

संख्या 36

विद्यां वाचिषां च वसतु मेहोभवं यत् । अविषया यत् त्रीन् विषयाऽप्युपयुज्यते ॥  
असतो मा सद् गमय । वसतो मा ऽवेर्तिगमय । सुखोपायं गमय ।

पतः सुश्री कविता मेहरोत्रा ने इस विश्वविद्यालय  
के मानविकी संकाय के अन्तर्गत डॉक्टर ऑफ़ फ़िलॉसफी  
की उपाधि हेतु हिन्दी विषय में निर्धारित शोध-कार्य पूर्ण करने के उपरान्त  
पर्याप्त योग्यता का शोध-प्रबन्ध प्रस्तुत किया जो ज्ञान के क्षेत्र में मौलिक देन है।

अतः प्रमाणित किया जाता है कि इस विश्वविद्यालय द्वारा इन्हे डॉक्टर ऑफ़ फ़िलॉसफी की  
उपाधि सन् 1998 में प्रदान की गई।

## MAHATMA GANDHI KASHI VIDYAPITH DOCTOR OF PHILOSOPHY

This is to certify that Km. Kavita Mehrotra Under  
the Faculty of Humanities has submitted a  
dissertation in the Hindi. The work is an original  
contribution to the field of knowledge.

If/ she has fulfilled essential qualifications prescribed for the  
award of the degree. The University hereby awards him/her the  
degree of **Doctor of Philosophy** in the year 1998.

वाचस्पती  
Vachaspati  
दिनांक  
Date 20 Feb 1999

  
कुलपति  
Vice-Chancellor

20010102



# Jadavpur University

*Certified that*

Smt. Anindita Roy

was admitted to the Degree of Doctor of Philosophy in Science of the University on 11/12/2001 and that the degree was conferred on her / her at the Convocation held in December 2001 with all the Rights and Privileges thereto appertaining.

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

*[Signature]*

Vice-Chancellor  
The 24th December, 2001

*[Signature]*  
Chancellor





# Madras University

Certified that

Smt. Anindya Sen

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 28.08.96 and that the degree was conferred on him/her at the Convocation held on 24th December 1996 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Madras University are hereto affixed.

S. C. S.

Vice-Chancellor

Chancellor

24/12/2005



# Jadavpur University

*Certified that*

**Smt. Anupa Ghosh (Nee Sen)**

*was admitted to the Degree of Doctor of Philosophy in Arts of this University on 09/06/2010 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*  
**Jadavpur University** *is hereunto affixed.*



111D000154



## Jadavpur University

*Certified that*

**Sri Arnab Gangopadhyay**

*was admitted to the Degree of Doctor of Philosophy in Science of this University on 11.12.2017 and that the degree was conferred on him / her at the Convocation held in December 2017 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 26th December, 2017



*Sulanjan D.*  
Vice-Chancellor



# PATNA UNIVERSITY



This is to certify that

*Ashek Kumar Bose*

who passed the Examination

for the degree of

Doctor of Philosophy in Commerce

held in the month of

*April, 1990*

was this day admitted

to the degree.

Patna University

*M. Mohiuddin*  
Vice-Chancellor

*The 15<sup>th</sup> September 1990*

2021256314



*Certified that*

**Debanjana Chakravarti**

*was admitted to the Degree of Doctor of Philosophy in Arts of this  
University on 12.07.2021 and that the degree was conferred on him / her with  
all the Rights and Privileges thereto appertaining.*

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





Misba-Miharati

Thus is to certify that

Debika Banerji

was admitted to the Doctor of Philosophy in the  
Department of Geography under Misba-  
Miharati in this University in the year  
2019 on presentation of a dissertation titled  
“Hydromorphological Characteristics of  
Lower Subarnarekha Basin and their  
impact on Land Cover and Land use.”

Renuka Kulkarni  
Vice-Chancellor



Sanjibkumar

June 30, 2019

প্রশংসাপত্র

দেবিকা বানার্জী কে  
নিম্নোক্তরূপে  
বিভাগে গবেষণা-নিবন্ধের জন্য  
১৪২৫ বর্ষাব্যয় নিবন্ধিত।  
উপস্থিত নির্দেশনামূলক এই  
অভিভাষণে অন্তর্ভুক্ত।

১০/৬/১৯  
উপাচার্য



১৪ আশ্বিন  
১৪২৫

শান্তিনিকেতন



বঙ্গবন্ধু

may you a great success in the days

2019-10-19

TO THE DEAN, 2019  
JALPAIGURI UNIVERSITY



Signature  
2019-10-19

Jalpaiguri University is hereby offered

To whomsoever the signature of the Vice-Chancellor of

the University held in December 2019 with all the Rights and Privileges. Hence  
Honouring on 23.09.2019 and that the degree was conferred on him/her in  
was related to the Degree of Doctor of Philosophy in Arts of the  
Smt. Boma Ganguly

Conferred that

Jalpaiguri University



CLAMPED

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: 01474/Ph.D.(Sc.)

Dated: 14th March 2022

To  
**Smt Dyuti Lahiri**  
BA-49, Sector-I,  
Salt Lake, Kolkata-700064.

*Madam,*

*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 in terms of 4.8 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2009, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on March 11, 2022 in Economics.*

*Yours faithfully,*

*Lebasia Das*

Registrar



14/03/2022

**Title of Thesis : Female Employment In The Tertiary Sector Of India - A Post-Liberalization Analysis.**



UNIVERSITY OF CALCUTTA



This is to certify that

*Gargi Dalapatra*

obtained the degree of Doctor of Philosophy  
(Arts) in *English*  
in this University in the year 2013.

*Suman Das*  
Vice-Chancellor

Senate House,  
The 29th November, 2013



# UNIVERSITY OF CALCUTTA



This is to certify that

Dibyendu Kumar Bandyopadhyay

obtained the degree of Doctor of Philosophy  
(Law) in Law

in this University in the year 2009.

Sumanjan Das  
Vice-Chancellor.

Senate House,  
The 11th September, 2009

Registrar  
University of Calcutta



201 45215503489  
University of Calcutta

Senate House  
87/1, College Street  
Kolkata - 700 073  
Phone : +91-33-2241-0071/4984  
Fax : +91-33-2241-3222/86  
eMail : phdcaluni@yahoo.co.in

Letter: 05799/Ph.D.(Arts.)

Dated: 12th July 2022

To  
**Smt Jashomati Ghose**  
PUSHPITA Apartment, Flat-2D, Block-II,  
276, N.S.C. Bose Road, Kolkata-700040.

Madam,

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.(Arts.)** Degree of this University in terms of 4.8 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2009, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **July 11, 2022 in English.**

Yours faithfully,

*Debasis Das* 7  
Registrar 12/2022



Title of Thesis : **'Our Road Must Be Open': Tracing The Fictional Odyssey Of Nigerian British Women Through A Study Of The London Novels Of Buchi Emecheta, Diana Evans And Helen Oyeyemi.**



Prof. Dr. Soma Bandyopadhyay  
Registrar (Acting)



20D13014921Y06  
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: 6807/Ph.D.(Com.)

Dated: 29th October 2015

To  
Smt Jayita Bhaduri  
CA - 203, Salt Lake City,  
Kolkata - 700064.

Madam,

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.(Com.)** Degree of this University and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on **October 16, 2015** in Commerce.

Yours faithfully,

*Soma Bandyopadhyay*  
(Soma Bandyopadhyay)  
Registrar (Acting)  
29/10/15

Title of Thesis : **Investment In Mutual Funds: A Study On The Perceptions Of The Professional Accountants In Kolkata.**

No. 2414/Ph.D.(Sc.)



UNIVERSITY OF CALCUTTA  
SENATE HOUSE  
CALCUTTA 700 073

To

Sm. Mahuya Das  
26, Harisava Street,  
Khidderpore,  
Kolkata-700 023.

The 5th August, 2004.

Dear Sir/Madam,

I am to inform you that on the recommendation of the Board of Examiners on their adjudication of the undemoted 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 .....02.8.2004..... in .....Geography.....

Yours faithfully  
*U.K. Bose*  
(U.K. Bose)  
Registrar

Title of the thesis:

" An Appraisal of Aquatic Resources for Sustainable Development in Sunderban".

SCUP1802-030000 Copies

sgd/



20083897



## Jadavpur University

*Certified that*

**Mili Samaddar**

*was admitted to the Degree of Doctor of Philosophy in Arts of this University on 05/12/2008 and that the degree was conferred on him / her at the Convocation held in December 2008 with all the Rights and Privileges thereto appertaining.*

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

**P.N. Ghosh**

*Vice-Chancellor*  
The 20th December, 2008

  
**Chancellor**

F1D00016



*Certified that*

**Smt. Parba Roy Choudhury**

*was admitted to the Degree of Doctor of Philosophy in Arts of this University on 13.05.2015 and that the degree was conferred on him / her at the Convocation held in December 2015 with all the Rights and Privileges thereto appertaining.*

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



JADAVPUR UNIVERSITY  
The 24th December, 2015



*Suman Das*  
Vice-Chancellor



# Jadabpur University

*Certifies that*

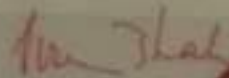
**Smt. Jyoti Gupta**

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 03/09/2003 and that the degree was conferred on her / 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 Jadabpur University are herewith affixed.

  
Vice-Chancellor  
15th December, 2003



  
Chancellor



# RABINDRA BHARATI UNIVERSITY

56A, B.T. ROAD, KOLKATA-700 050

Ph.D/8263/P.C./20/012

Date: 17.02.2020

## Provisional Certificate

This is to Certify that **Smt.Priyam Basu Thakur** has been admitted to the degree of Doctor of Philosophy (Ph.D) in **Mass Communication and Videography** under the Faculty of Fine Arts under orders of the Vice-Chancellor dated **17.01.2020** on the basis of the unanimous recommendations of the adjudicators of his thesis entitled "**A Comparative Study of National and Regional News Channels : A Probe into Bengali News Channels and its Viewers in West Bengal**" submitted under the supervision of **Shri Somsubhra Gupta** as also on the satisfactory report of viva-voce thereon.

He has fulfilled all the requirements under the new Ph.D regulations (issued by U.G.C. Notification No. ASDHA 20, 1931 on 11<sup>th</sup> July, 2009).

Be it noted that the degree would be awarded to him at next Annual Convocation of the University.

*Handwritten signature*



*Handwritten signature and date 17.02.2020*  
Joint Registrar (Exam.)

Amab Bandyopadhyay  
Joint Registrar (Exam)  
Rabindra Bharati University



## UNIVERSITY OF CALCUTTA



This is to certify that

*Pinki Saha Sarder*

obtained the degree of Doctor of Philosophy  
(Science) in *Chemistry*  
in this University in the year 2009.

Senate House,  
The 5th October, 2010.

*Sumanjan Das*  
Vice-Chancellor.

क्रम संख्या B .....

3973

# ललित नारायण मिथिला विश्वविद्यालय

कामेश्वरनगर, दरभंगा



## औपबन्धिक प्रमाण-पत्र

प्रमाणित किया जाता है कि आमा झा  
ने फरवरी, 2020 माह में आयोजित 2020 ई०  
की पी-एच०डी० हिन्दी की परीक्षा में X श्रेणी/वर्ग  
में उत्तीर्णता प्राप्त की है। (मानविकी संकाय)

तिथि 29/02/2020

3

सहायक का हस्ताक्षर

Zun

प्र० प० का हस्ताक्षर

He

परीक्षा नियंत्रक



# LALIT NARAYAN MITHILA UNIVERSITY

KAMESHWARANAGAR, DARBHANGA

(Examination Department)

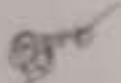
Letter No: CR/Ph.D/240/20

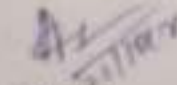
Date: 22/10/2020

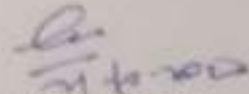
## TO WHOM IT MAY CONCERN

This is to certify that **ABHA JHA** has been awarded the degree of **DOCTOR OF PHILOSOPHY** in the Subject **HINDI** of the **LALIT NARAYAN MITHILA UNIVERSITY, DARBHANGA** in the year 2020.

The award of Ph.D. degree to the said candidate is in accordance with the Revised Ph.D. ordinances 2009 of the University which complies with the UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009.

  
D.A

  
D.C.E-I

  
REGISTRAR

REGISTRAR  
L. N Mithila University,  
DARBHANGA



# LALIT NARAYAN MITHILA UNIVERSITY

KAMESHWARANAGAR, DARBHANGA  
(Examination Department)

## Ph.D. Examination Result

### Notification

The Vice-Chancellor, on the recommendation of the Board of Examiners appointed to adjudicate the thesis entitled "मोहनदास नैमिश राय के दलित उपन्यासों में विद्रोह चेतना" submitted by Abha Jha on 19.10.2019 for the Ph.D. Degree in Hindi, Faculty of Humanities, under Registration No. 05/2016 dated 11.06.2016, has been pleased to declare Abha Jha to have passed the Doctor of Philosophy Examination held in the month of February, 2020.

By order of the Vice-Chancellor.

Sd/-


Controller of Examinations

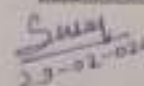
Memo No. : Ph.D. 646-785/20.....

Dated : 29-02-2020

Copy forwarded to,

1. Abha Jha, Sirua Baheri, Darbhanga, Kalidham, Saidnagar, Laheriasarai, Darbhanga. (Research Scholar).
2. Dr. Kamlanand Jha, Professor, Aligarh Muslim University, Aligarh-202002 (U.P.). (External Examiner & Expert).
3. Dr. Kalanath Mishra, Professor, P.G. Department of Hindi, A. N. College, Patna-800013. (External Examiner).
4. Dr. Krishna Kumar Jha, Associate Professor & Head, Department of Hindi, M.L.S.M. College, Darbhanga. (Internal Examiner & Supervisor).
5. The Head of the University Department of Hindi, L. N. Mithila University, Kameshwaranagar, Darbhanga.
6. The Dean, Faculty of Humanities, L. N. Mithila University, Kameshwaranagar, Darbhanga.
7. The Incharge Examination (A/C) Section, L. N. Mithila University, Kameshwaranagar, Darbhanga.
8. The Secretary, U.G.C., Bahadurshah Zafar Marg, New Delhi-110002.
9. The Secretary, Association of Indian Universities, 16 Kotla Marg, New Delhi for favour of publication in 'The University News'.
10. Registrar of all The Universities of India.
11. All Officers of L.N.Mithila University, Kameshwaranagar, Darbhanga for information and necessary action.
12. D.O. for uploading on the website.
13. The Editor,  
(A) The Hindustan Times, Patna (B) The Hindustan, Patna  
(C) The Times of India, Patna and (D) Dainik Jagran, Patna  
for favour of publication in their esteemed journals free of cost.

  
Controller of Examinations

  
29-02-2020

29.2.2020



# Visva-Bharati

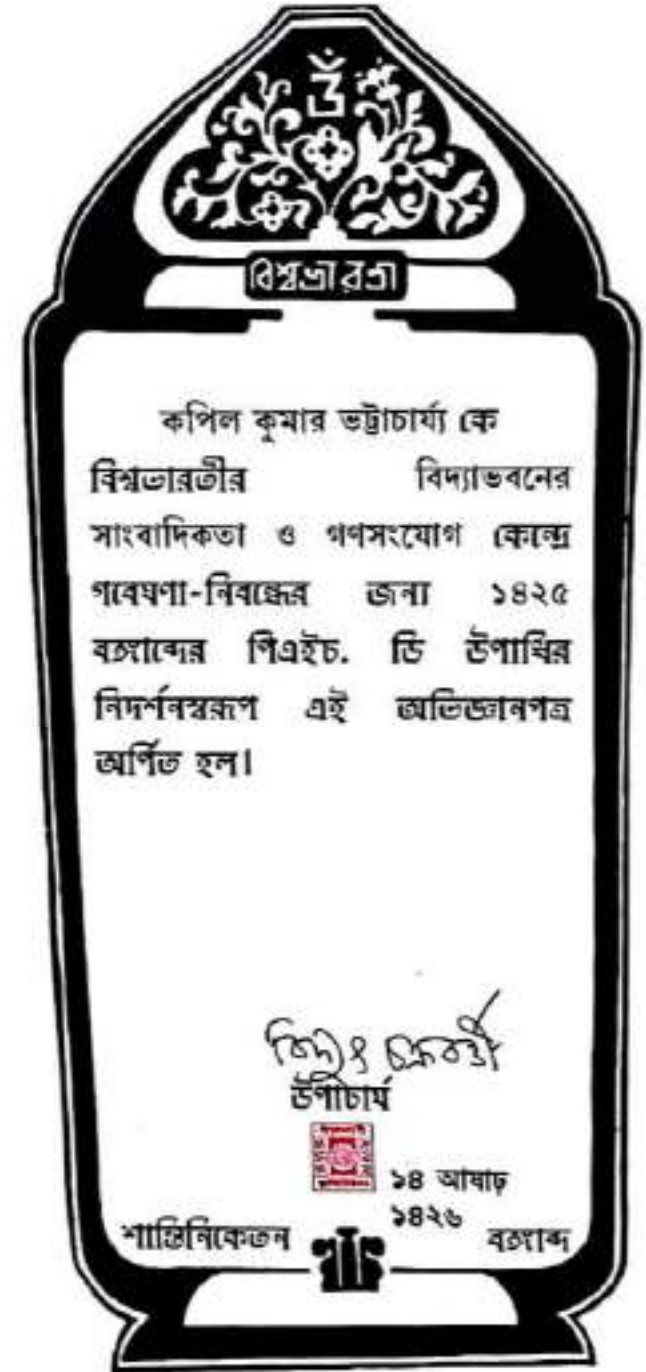
This is to certify that

*Kapil Kumar Bhattacharyya*  
was admitted to the Doctor of Philosophy in the  
Centre for Journalism & Mass  
Communication under *Vidya-  
Bhavana* in this University in the year  
2018 on presentation of a dissertation titled  
“Nāṭyaśāstra as a Communication  
Treatise : An Exploration of Possibility for  
the Present.”

*Bochakraborty*  
Vice-Chancellor



Santiniketan June 30, 2019



# UNIVERSITY OF CALICUT



This is to certify that

yeasin Sikdar

obtained the degree of **Doctor of Philosophy**

(Science) in Chemistry

in this University in the year 2019 .

Sonal Chakravart Basu

Vice-Chancellor.

Senate House,

The 28th day of January 2020

2020256025



*I Certify that*

**Smt. Biparna Jana**

*was admitted to the Degree of Doctor of Philosophy in Arts of this University on 09/09/2020 and that the degree was conferred on him/her 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, 2020



*Suranjan Das*  
Vice-Chancellor



# UNIVERSITY OF CALCUTTA



This is to certify that

Kasturi Mukherjee  
 obtained the degree of **Doctor of Philosophy**  
 in Bengali under the  
 Faculty of Arts of  
 this University in the year 2020 .

Admitted to the degree on October 12, 2020.

Sonali Chakravarti Banerjee  
 Vice-Chancellor.

G3D000112



# Jadavpur University

*Certified that*

**Sri Nirabha Basu**

was admitted to the Degree of **Doctor of Philosophy in Science** of this University on **08.07.2016** and that the degree was conferred on him / her at the Convocation held in December 2016 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, 2016



*Sularjan Das*  
Vice-Chancellor



# RABINDRA BHARATI UNIVERSITY

56A, B.T. ROAD, KOLKATA-700 050

Ph.D.8250/P.C./20/009

Date: 10.02.2020

## Provisional Certificate

This is to Certify that **Smt. Souraja Tagore** has been admitted to the degree of Doctor of Philosophy (Ph.D) in **English** under the Faculty of Arts under orders of the Vice-Chancellor dated **05.02.2020** on the basis of the unanimous recommendations of the adjudicators of her thesis entitled "**God, Child and Society in Tagore's The Crescent Moon**" submitted under the supervision of **Prof. Amitava Roy & Prof. Subir Kumar Dhar** as also on the satisfactory report of viva-voce thereon.

She has fulfilled all the requirements under the new Ph.D regulations (issued by U.G.C. Notification No. ASDHA 20, 1931 on 11<sup>th</sup> July, 2009).

Be it noted that the degree would be awarded to her at next Annual Convocation of the University.



*[Signature]*  
10.02.2020  
Joint Registrar (Exam.)

Amab Bandyopadhyay  
Joint Registrar (Exam)  
Rabindra Bharati University



# THE UNIVERSITY OF BURDWAN




*Dyuti Girhor*

having submitted a thesis entitled "*Consumer Expenditure Pattern in India: An Insight into the Various Aspects of Human Development*"

and having satisfied all the conditions prescribed in this respect by the University, as per UGC regulation-2009, was duly admitted to the degree of **Doctor of Philosophy** in *Economics*

in the year *2019*.

*Rajbati, Burdwan*

  
Vice - Chancellor

*The 30th January '2019.*

# UNIVERSITY OF CALCUTTA



This is to certify that

*Rukha Variwal*

obtained the degree of Doctor of Philosophy  
in *Education*

in this University in the year 2002.

*A. K. Banerjee*

Vice-Chancellor

Senate House,  
The 28th January, 2003.

# UNIVERSITY OF CALCUTTA



This is to certify that

*Lamir Koumar Siddhanta*

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

*Senate House,  
The 15th January 2001*

*A. K. Banerjee  
Vice-Chancellor.*





# UNIVERSITY OF CALCUTTA



This is to certify that

*Tamra Sinha*

obtained the degree of Doctor of Philosophy  
(Arts) in *Bengali*  
in this University in the year 2012.

Senate House,  
The 29th November, 2013

*Surenjan Das*  
Vice-Chancellor

NO. 6108/Ph.D.(Sc.)



UNIVERSITY OF CALCUTTA  
SENATE HOUSE  
KOLKATA - 700 073

To  
Sri. Saugata Konar,  
Abasbari Char (Kar Para),  
P.O.+ P.S.- Tamluk,  
Dist.- Purba Medinipur, Pin - 721636.

24/10/2013

The.....

Dear Sir/Madam,

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.....  
in Chemistry

Yours faithfully,

Basab Chaudhuri  
25.10.2013  
(Basab Chaudhuri)

Registrar  
h.d.m.

Title of the thesis: "Studies On Polynuclear Transition Metal Complexes Of  
Heterocycle Based Ligands."

SCUP-56R/09-10/4,000Copies

Attended  
Dr. Mahabadi Ali  
Professor  
Department of Chemistry  
Jadavpur University  
Kolkata-700 032



UNIVERSITY OF CALCUTTA



This is to certify that

Subhabrata Gangopadhyay

obtained the degree of Doctor of Philosophy

(Science) in Applied Mathematics

in this University in the year 2015 .

Senate House,  
The 9<sup>th</sup> December, 2015

Sugata Rayjit  
Vice-Chancellor



0140397



# Jadhavpur University

*Certified that*

**Sri Soumya Bhattacharjee**

was admitted to the Degree of Doctor of Philosophy in Arts of this University on 11/12/2014 and that the degree was conferred on him / her at the Convocation held in December 2014 with all the Rights and Privileges thereto appertaining.

In Witness whereof the Signature of the Vice-Chancellor of Jadhavpur University is hereto affixed.

JADHAVPUR UNIVERSITY  
24th December, 2014



*[Signature]*  
Vice-Chancellor

2021256188



*Certified that*

**Smt. Sreyasi Ghosh**

*was admitted to the Degree of **Doctor of Philosophy in Science** of this University on **06.09.2021** and that the degree was conferred on him / her with all the Rights and Privileges therein appertaining.*

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

JADAVPUR UNIVERSITY  
The 24th December, 2021



*Sulanjit Das*  
Vice-Chancellor

NO. 2600/Ph.D.(Sc.)



UNIVERSITY OF CALCUTTA  
SENATE HOUSE  
KOLKATA - 700 073

To  
Sm. Subarnarekha Bhaumik,  
34/3, Kumirjala Road, Serampore,  
Hooghly - 712203.

16/07/2010

The ..... 20.....

*Dear Sir/Madam,*

*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..... 15/07/2010 in..... Physics.....*

*Yours faithfully,*

*Basab Chaudhuri*  
(Basab Chaudhuri) 19.07.10.

*Registrar*

*Title of the thesis:* "Study of Bio-Optical and Bioelectronic Properties of Vegetation As Remote Sensing Tools."



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: 06670/Ph.D.(Tech.)

Dated: 12th November 2021

To  
**Sri Subhasis Das**  
186, Block-A, Bangur Avenue,  
Kolkata- 700055.

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.(Tech.) Degree of this University in terms of 4.8 Regulation for the Degree of Doctor of Philosophy (Ph.D.), C.U., framed under UGC Guidelines, 2009, and on the results of the viva-voce examination, you have been admitted to the aforesaid degree on November 12, 2021 in Nanoscience and Nanotechnology.*

Yours faithfully,

*Debasis Das*

Registrar

12/11/2021  
UNIVERSITY OF CALCUTTA

Title of Thesis : **Investigation Of The Electronic And Optical Properties Of III-V -Bismide And III-V- Bismide-Nitride Bulk Layers And Quantum Confined Structures.**

# UNIVERSITY OF CALCUTTA



This is to certify that

Tuckandra Chakraborty

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

Senate House,

The 28th November, 2014

*Sulanjan Das*  
Vice-Chancellor

*Atul Das*  
*27/11/15*  
Dr. Chandan Kumar Saha  
Assistant Professor of Chemistry  
Department of Chemistry &  
Experimental Pharmacology  
School of Tropical Medicine  
C. P. Avenue, Kolkata-700073



# Jadavpur University

*Certified that*

**Smt. Suchandra Chakravarty**

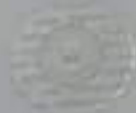
*was admitted to the Degree of Doctor of Philosophy in Arts of University on 20/05/2009 and that the degree was conferred on her at the Convocation held in December 2009 with all the Rights and Privileges appertaining.*

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

*P. N. Ghosh*

Vice-Chancellor

The 24th December, 2009



*[Signature]*

Chancellor



# UNIVERSITY OF CALICUT



This is to certify that

Sugata Samanta

obtained the degree of Doctor of Philosophy

(Science) in Chemistry

in this University in the year 2018 .

Senate House,  
7.1.2019

SCB  
Vice-Chancellor.



70351



## Jadavpur University

*Certified that*

**Smt. Suparna Dasak (Nee Chattopadhyay)**

*was admitted to the Degree of Doctor of Philosophy in Science of this University on 05/12/2007 and that the degree was conferred on him / her at the Convocation held in December 2007 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadavpur University are hereunto affixed*

*P. N. Chel*  
Chancellor

11th December, 2007



*[Signature]*  
Vice-Chancellor

# UNIVERSITY OF CADETIA



This is to certify that

Tridib Sengupta

obtained the degree of **Doctor** of Philosophy

in Commerce

in this University in the year 20 16 .

Sonali Chakravarti Banerjee  
Vice-Chancellor

Senate House,  
The 14th day of January, 2018

## UNIVERSITY OF CALCUTTA



This is to certify that

Utsa Das

obtained the degree of Doctor of Philosophy

(Science) in Electronic Science

in this University in the year 2019 .

Sonal Chakravarti Banerjee

Vice-Chancellor.

Senate House,  
The 28th day of January, 2020