

Enrolment No. 96/30/MU/26

जनवाहिनी विश्वविद्यालय  
नई दिल्ली

Jawaharlal Nehru University  
New Delhi

Upon the recommendation of the Academic Council  
hereby confers the Degree of

Doctor of Philosophy

On Yashwant Mudgil

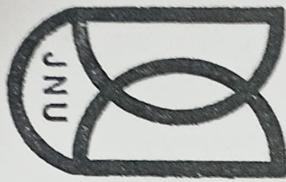
who has successfully completed in the year 2002 the requirements prescribed  
under the Ordinance for the award of this degree.

Title of Thesis:

"Cloning Characterization and Regulation of  
Topoisomerase I from Nicotiana tabacum."

Given this day under the seal of the University at New Delhi in the Republic of  
India.

The 30 SEP 2003



Yashwant Mudgil  
Registrar

Chandramouli  
Pro-Chancellor

1. The Head, Registrar (State/Accounts/Finance/V.C. Office)  
6. The Section Officer (Estab.-IV/V/VI/ Finance-I/VIII/GIS Cell)  
7. P.S. to Dean of Colleges.



### विद्या-वाचश्पति

प्रमाणित किया जाता है कि दिसंबर, 1999 में "सोडाफिल्डेशन रेड सिंजेसिस ऑफ बारस्टार एंड बार जिंस" द्वारा डेक्लारेटेड ऑफ बारनेस/बारस्टार लाइंस इन ब्रासिका जंसिया ट. फॉर हाइब्राइड सीड प्रोडक्शन" पर शोषण प्रबंध स्वीकृत हो जाने के उपरांत अरुण जगन्नाथ को 2000 के दीक्षांत-समारोह में इस विश्वविद्यालय की विद्या-वाचश्पति की उपाधि प्रदान की गई।

### University of Delhi

DOCTOR OF PHILOSOPHY

This is to certify that Arun Jagannath, after approval of his/her thesis on "Modification and Synthesis of Brassica and Bar Genes and Development of Brassica/Barstar Lines in Brassica juncea L. for Hybrid Seed Production" in December, 1999, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 2000.

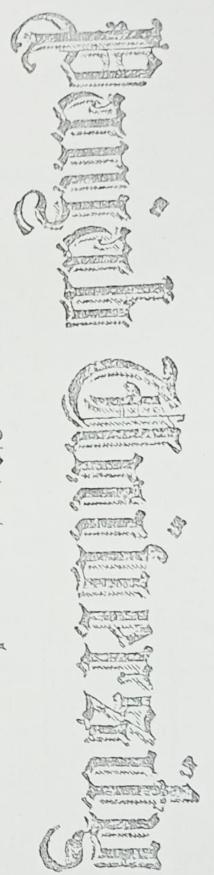


दिल्ली, दिनांक 16 सितम्बर, 2000  
Delhi, dated the 16th September, 2000

*L. Venkateswaran*  
मुख्यमंत्री,  
दिल्ली विश्वविद्यालय  
Registrar,  
University of Delhi.

*Arun Jagannath*  
छुलपति,  
दिल्ली विश्वविद्यालय  
Vice-Chancellor,  
University of Delhi.

*attested*  
*24.12.2010*  
Head  
Department of Botany  
University of Delhi  
Delhi-110007



Doctor of Philosophy  
(In the Faculty of Science)

Verified that Premlal Krigal, Regd. No. 85-22-75,  
son of Shri Raju Ram Krigal, and of the Uttar Pradesh,  
has obtained the degree of Doctor of Philosophy in this  
University on the result of the examination held in 1991.

Given under the seal of the University

Controller of Examinations

Chandigarh, December 21, 1991

*R.Kapoor*  
R.Kapoor  
Vice-Chancellor



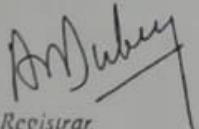
S. A. Suman  
Chancellor



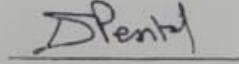
## DOCTOR OF PHILOSOPHY

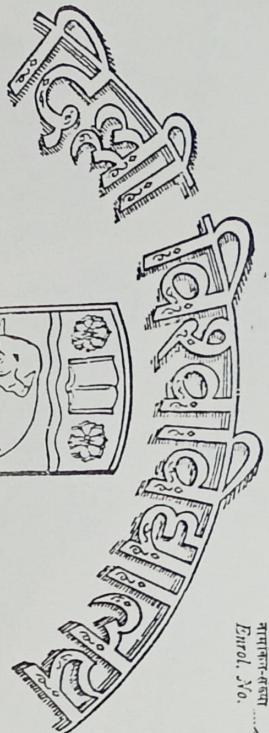
This is to certify that Priya Panjabi after approval of his/her thesis on "Development and Testing of a Four-Element Based Transposon Mutagenesis System for Plants" in September, 2005, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 2006.



  
Dr. Dubey  
Registrar,  
University of Delhi.

Delhi, dated the 25th February, 2006

  
Dr. P. D. Pant  
Vice-Chancellor,  
University of Delhi.



दृष्टि: सर्वतः

### विद्या-वाचस्पति

भारतीयस्त विद्यर ज्ञात्स है कि १९९८ में रिपोडवाटिल  
वायोलॉजी आण्ड लिंग्माइनियस दीपा अकास्मिया सेनीगल  
एड ब्रोट्या मोनोसपमी

पर योग्य-प्रबंध स्वीकृत हो जाने के उपरांत २०३० टंडन  
को १९७७ के दीक्षांत-समारोह में इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि  
प्रदान की गई।

### University of Delhi

#### DOCTOR OF PHILOSOPHY

This is to certify that Rajesh Tandon  
after approval of his/her thesis on "Reproductive  
Biology of the Leguminous Tree: Acacia  
Conzga and Butea Monosperma"  
in July, 1998, has been admitted to the degree of  
Doctor of Philosophy in this University at the Convocation  
held in 1999.



L. I.  
लिला  
कुल-सचिव,  
दिल्ली विश्वविद्यालय  
Registrar,  
University of Delhi.

✓

दिल्ली दिवाल १५ मार्च, १९९९  
Delhi, dated the 15th March, 1999

कुलपति,  
दिल्ली विश्वविद्यालय  
Vice-Chancellor,  
University of Delhi

J. R. Ghoshal  
Head, Department of Botany  
University of Delhi, Delhi-110007

जवाहरलाल नेहरू विश्वविद्यालय  
नई दिल्ली

Jawaharlal Nehru University  
New Delhi

Upon the recommendation of the Academic Council  
hereby confers the Degree of

Doctor of Philosophy

Renu Deswal

On \_\_\_\_\_

who has successfully completed in the year 1994 the requirements prescribed  
under the Ordinance for the award of this degree.

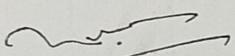
Title of Thesis :

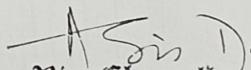
"Purification, Characterization and Regulation of  
Glyoxalase-I from *Brassica Juncea*."

Given this day under the seal of the University at New Delhi in the Republic of  
India.

The 22 MAR 1995



  
Registrar

  
Vice-Chancellor

नामक्रिया-संख्या Ph.D.-15/94  
Enrol. No.



## विद्या-वाचस्पति

ममार्थित किया जाता है कि फरवरी, 1998 में "वाम इन रिलेशन डु ग्रोथ एंड असेंसियल ऊमल यील्ड इन अम्बेलीफिरस प्लांट्स"

पर शोध-प्रबंध स्वीकृत हो जाने के उपरांत रूपम कपूर मिट्टूकुलनाम रूपम तलवार को 1998 के दीक्षांत-समारोह में इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई।

## University of Delhi

### DOCTOR OF PHILOSOPHY

This is to certify that Rupam Kapoor nee Rupam Talwar after approval of his/her thesis on "Vam in Relation to Growth and Essential Oil Yield in Umbelliferous Plants."

in February 1998, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 1998.



K. Vaidya  
कुल-सचिव,  
दिल्ली विश्वविद्यालय  
Registrar,  
University of Delhi.  
k.vaidya

दिल्ली, दिनांक 1 मार्च, 1998  
Delhi, dated the 1st March, 1998

H. Jagat Singh  
कुलपति,  
दिल्ली विश्वविद्यालय  
Vice-Chancellor,  
University of Delhi

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِيْمِ

J A M I A H A M D A R I D  
(HAMDARD UNIVERSITY)



Doctor of Philosophy

This is to certify that

Sandip Das, S/o Mr. Lalit Kumar Das

Enrolment No. JH/FS-96/94 after approval of his / her thesis

"Studies on Genome Organization in

Graminea"

in Botany, has been admitted to the degree of

Doctor of Philosophy in 1998

  
Registrar  
New Delhi 09 NOV 2001

  
Vice-Chancellor

I. Mehta Das  
Head  
Department of Botany  
University of Delhi  
Delhi-110007

१०८४९२  
१०८४९२  
१०८४९२

प्राचीन संस्कृत  
Enrol. No. १०८४९२



ग्रन्थ  
धूति: सर्वात्मा

### विद्या-वाचस्पति

विजयनारायण किल्या जाता है जिसे अक्षरतबर, 1999 में "Ph.D.  
सिक्षेंस इवेन्यु सन एड मोटी कूल्या" फिल्मोज़ेसी आफॉ  
एवं लेजना रिटर्न पे जोलोस" गोप्यता  
पर शोषा प्रबंध रखी गयी है जोने के उपरांत श्रीमति  
को 2000 के दीक्षांत-शामारोह में इस विश्वविद्यालय द्वारा विद्या-वाचस्पति  
की तााति प्रदान की गई।

## University of Delhi

### DOCTOR OF PHILOSOPHY

*This is to certify that Dr. Vaidika Gopal.....  
after approval of his/her thesis on "rRNA Sequence  
Evolution and Molecular Phylogeny of  
Urgastidae and Psechrus".....  
in.....October.....1999, has been admitted to the degree of  
Doctor of Philosophy in this University at the Convocation held  
in 2000.*



कृष्ण  
कृष्ण  
दिल्ली विश्वविद्यालय

Registrar,  
University of Delhi  
Controller of Examinations  
University of Delhi  
Delhi-110007

दिल्ली  
दिल्ली विश्वविद्यालय  
Vice-Chancellor,  
University of Delhi

दिल्ली, दिनांक 16 सितम्बर, 2000

Dated the 16th September, 2000  
SUBMITTED TO THE DEGREE  
University of Delhi  
on 13th December 2001

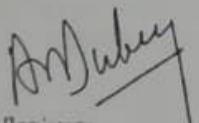
# University of Delhi

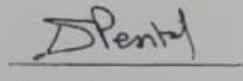


## DOCTOR OF PHILOSOPHY

This is to certify that Priya Panjabi after approval of his/her thesis on "Development and Testing of a Four-Element Based Transposon Mutagenesis System for Plants" in September, 2005, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 2006.



  
Dr. Dubey  
Registrar,  
University of Delhi.

  
Dr. P. Pant  
Vice-Chancellor,  
University of Delhi.

NO. 406

North-Eastern Hill University  
Headquarters : Shillong



**PROVISIONAL CERTIFICATE**

*This is to certify that*

Shri / Smt / Kum ..... *Ratol Baishya*.....

with Registration No ..... 922 ..... of ..... 20 - 5 - 2005 ..... has been

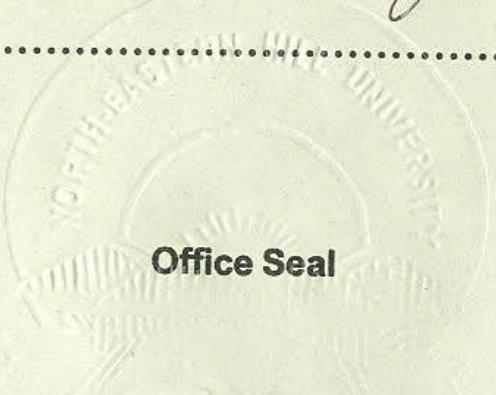
awarded the Degree of Doctor of Philosophy (Ph.D.) in ..... *Botany*.....

The title of his / her Thesis is ..... *"Carbon sequestration in the humid tropical and sub-tropical forests of Meghalaya"*.....

Dated, Shillong

The ..... 17. 5. 2012 .....

Office Seal

  
Assistant Registrar



### विद्या-वाचस्पति

प्रमाणित किया जाता है कि मार्च, 1989 में "हिस्टोकेमिकल संड अलट्रास्ट्रक्चरल स्टडीज ऑन साइटोसिग इंडिका (थिकी एट दोशी) मायर प्राम पॉट ओखा" पर शोध-प्रबंध स्वीकृत हो जाने के उपरांत दीनबंधु साह को 1989 के दीक्षांत-समारोह में इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई।

### University of Delhi

#### DOCTOR OF PHILOSOPHY

This is to certify that Dinabandhu Lahoo after approval of his/her thesis on "Histochemical and Ultrastructural Studies on Cystoseira Indica (Thiy Et Dashi) Mairk From Port Okha" in March, 1989, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 1989.



पंच-संचिव,  
दिल्ली विश्वविद्यालय  
Registrar,  
University of Delhi.

दिल्ली, दिनांक 2 अप्रैल, 1989  
Delhi, dated the 2nd April, 1989.

*Morris Daga*  
कुलपति,  
दिल्ली विश्वविद्यालय  
Vice-Chancellor,  
University of Delhi



**DOCTOR OF PHILOSOPHY**

This is to certify that Manu Agarwal, after approval of his/her thesis on "Molecular Characterization of High and Low Molecular Weight Heat Shock Genes Proteins from Rice (*Oryza sativa L.*)" in July 2002, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 2003.



Registrar,  
 University of Delhi.

Delhi, dated the

22nd February, 2003

Vice-Chancellor,  
 University of Delhi.

दिल्ली विश्वविद्यालय



## UNIVERSITY OF DELHI

प्रमाणित किया जाता है कि अप्रैल, 2015 में शोध प्रबंध स्वीकृत हो की उपाधि प्रदान की गई।

'विभूति सिंह'

को 2015 के दीक्षांत-समारोह में दिल्ली विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई।

विभाग :वनस्पति विज्ञान

*This is to certify that on approval of the thesis in April, 2015*

*'Vibhuti Singh'*

*qualified for the degree of Doctor of Philosophy (Ph.D.) of this University. The said Degree was conferred upon him/her at the Convocation held in 2015.*

Department: Botany

कुलसचिव  
दिल्ली विश्वविद्यालय  
Registrar  
University of Delhi



कुलपति  
दिल्ली विश्वविद्यालय  
Vice Chancellor  
University of Delhi

दिल्ली, दिनांक 30 मई, 2015  
Delhi, Dated the 30th May, 2015

नामांकन संख्या  
Enrol. No. GC - 798/2000



UNIVERSITY OF DELHI  
दिल्ली विश्वविद्यालय



No 1955

PROVISIONAL CERTIFICATE

अनंतिम प्रमाण-पत्र

Certified that .. Sudeshna Mazumdar .....  
प्रमाणित किया जाता है कि

son/daughter of Sachish Mazumdar Enrolment No. M-591/85.  
सुपुत्र/सुपुत्री (क्रमांक)

College/Department.. Botany Department..... passed the Ph.D.....  
examination of the University of Delhi held in 1996 ..... vide Roll No. X.....  
दिल्ली विश्वविद्यालय की परीक्षा उत्तीर्ण की  
(अनुक्रमांक)

and was placed in ..... X ..... Division

और उन्हें थेगी प्राप्त हुई।

⊗ "Molecular characterization of Trypsin Genes in  
Two Economically Important Insect Pests  
(Scirpophaga Incertulas Wk. and Helicoverpa Armigera Hb.)  
Recombinant Soybean Kunitz Trypsin Inhibitor  
Gene expressed in Escherichia Coli"

Delhi, Dated.. 16-1-1997

दिल्ली, तिथि

199

for Registrar  
जिते कुल-सचिव

Sworn to me this 4th day of June, 1999  
personally appeared Sudeshna Mazumdar

Donna R. Roelofs

DONNA R. ROELOFS  
Notary Public State of New York  
Ontario County No. 47373  
Commission Expires Dec. 31, 1999

# लखनऊ विश्वविद्यालय



**अक्ष:**

चन्द्र शेखर सेठ

ने

इस विश्वविद्यालय के विज्ञान संकाय में डॉक्टर ऑफ़ फिलोसफी की उपाधि हेतु  
बॉटनी विषय में निर्धारित शोध-कार्य पूर्ण करने के उपरान्त  
पर्याप्त योग्यता का शोध-प्रबन्ध प्रस्तुत किया जो ज्ञान के क्षेत्र में एक मौलिक देन है।

**अक्ष:** प्रमाणित किया जाता है कि इस विश्वविद्यालय द्वारा इन्हें डॉक्टर  
ऑफ़ फिलोसफी की उपाधि सन् 2008 में प्रदान की गई।

## University of Lucknow

Whereas Chandra Shekhar Seth having  
completed at the University a prescribed course of research for the Degree of  
**DOCTOR OF PHILOSOPHY** in Botany in  
the Faculty of Science and has presented a thesis of sufficient merit as an  
original contribution to knowledge.

This is to certify that he/she has been duly admitted to the Degree of  
**DOCTOR OF PHILOSOPHY** of this University in the year 2008

Title of the thesis : **Studies on the Accumulation of Selected Heavy  
Metals By Plants and Their Toxicity.**

लखनऊ (भारत)  
Lucknow (INDIA)  
दिनांक

Dated : February 03, 2010



म. कु. मिस्टर  
कुलपति  
Vice Chancellor



THE UNIVERSITY OF HONG KONG  
香港大學

MISHRA GIRISH

having fulfilled all the requirements of the University  
and having satisfied the examiners

修畢課業考試及格

has this day been admitted to the degree of

DOCTOR OF PHILOSOPHY 哲學博士

Given under our hands

Two Thousand and Four.  
二零零四年十二月二日

1. Meha Rao

**Head**  
**Department of Botany**  
**University of Delhi**  
**Delhi-110007**

Chancellor 校監

Chancellor 校監

# North-Eastern Hill University

## पूर्वोत्तर पर्वतीय विश्वविद्यालय



DOCTOR OF PHILOSOPHY  
विद्या वाचस्पति

*This is to certify that*

RATUL BAISHYA

*has been admitted to the Degree of DOCTOR OF PHILOSOPHY in  
Botany under the School of  
LIFE SCIENCES  
in the year 2012.*

प्रमाणित किया जाता है कि

RATUL BAISHYA

को इस-विश्वविद्यालय के जीव विज्ञान संकाय  
के अंतर्गत बनस्पति विज्ञान

विषय में डॉक्टर ऑफ फिलासफी की उपाधि वर्ष 2012 में प्रदान की गयी।

*Given under the seal of the University.*

विश्वविद्यालय की मुहर के अंतर्गत प्रदत्त

*Self attested*

Serial No. / क्रम संख्या 12

Registration No./ पंजीकरण संख्या 922 of 20.05.2005

Shillong / शिलंग

Date / दिनांक 6th November 2012

Dr. Ratul Baishya

लास्ट-प्रोफेसर/Associate Professor

बनस्पति विभाग/Department of Botany

विल्सो विश्वविद्यालय/University of Delhi

विल्सो/Delhi-110007

*S. Ratul Baishya*

Vice – Chancellor



# University of Delhi

विद्या-वाचस्पति \* Doctor of Philosophy (Ph.D.)

प्रमाणित किया जाता है कि नवम्बर, 2020 में

टैक्सानोमी एंड फायलॉजेनी ऑफ सौसुरिया डीसी. (एस्टरेसी: कार्ड्यूइ) इन इंडिया

पर शोध प्रबंध स्वीकृत हो जाने के उपरांत

श्रुति कसाना

को 2021 के दीक्षांत समारोह में दिल्ली विश्वविद्यालय की

विद्या-वाचस्पति की उपाधि प्रदान की गई।

विभाग: वनस्पति विज्ञान

This is to certify that after approval of the thesis on

Taxonomy and Phylogeny of Saussurea DC. (Asteraceae: Cardueae) in India

in November, 2020

Shruti Kasana

qualified for the degree of Doctor of Philosophy (Ph.D.) of this University.

The said degree was conferred upon him/her at the convocation held in 2021.

Department: Botany

*Vice Chancellor*

कुलसचिव  
दिल्ली विश्वविद्यालय  
Registrar  
University of Delhi

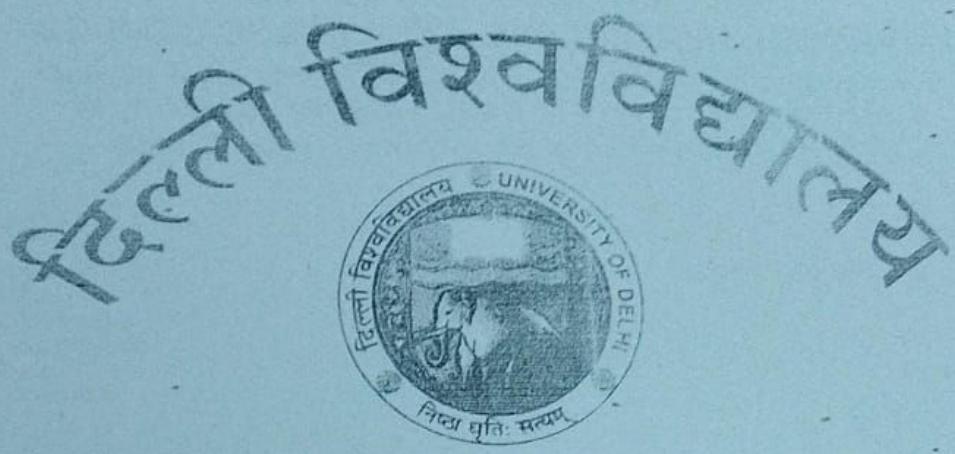


*Ron*

कुलपति  
दिल्ली विश्वविद्यालय  
Vice Chancellor  
University of Delhi

नामांकन संख्या  
Enrol.No. MH-383/11





# UNIVERSITY OF DELHI

प्रमाणित किया जाता है कि अप्रैल, 2015 में शोध प्रबन्ध स्वीकृत हो की  
उपाधि प्रदान की गई।

'विभूति सिंह'

को 2015 के दीक्षांत-समारोह में दिल्ली विश्वविद्यालय की विद्या-वाचस्पति  
की उपाधि प्रदान की गई।

विभाग : वनस्पति विज्ञान

This is to certify that on approval of the thesis in April, 2015.

Vibhuti Singh

qualified for the degree of Doctor of Philosophy (Ph.D.) of this  
University. The said Degree was conferred upon him/her at the  
Convocation held in 2015.

Department: Botany



*Ritika*

*DUSA*

कुलसंचिव  
दिल्ली विश्वविद्यालय

Registrar  
University of Delhi

नामांकन संख्या  
Enrol. No. GC - 798/2000

दिल्ली, दिनांक 30 मई, 2015  
Delhi, Dated the 30th May, 2015

कुलसंचिव  
दिल्ली विश्वविद्यालय  
Vice Chancellor  
University of Delhi

102266

Enrolment No.: 382/9/2015

Enrolment No. JMS/09/040



जवाहरलाल नेहरू विश्वविद्यालय  
नई दिल्ली

Jawaharlal Nehru University  
New Delhi

INSTITUTE OF MICROBIAL TECHNOLOGY

Upon the recommendation of the Academic Council

hereby confers the Degree of

**DOCTOR OF PHILOSOPHY**

On *Yamini Agrawal*

who has successfully completed in the year 2015 the requirements prescribed under the Ordinance for the award of this degree.

Title of the Thesis:

"Studies on Molecular Phylogeny of Hypocrealean Entomogenous Fungi"

Given this day under the seal of the University at New Delhi in the Republic of India.

The

20 AUG 2015

*Sunita*

*U.*

*Darka*

...प-समय पर  
...in the University from time to time.  
Leave and other conditions of service, you will be