

# Punjabi University



Doctor of Philosophy

Certified that Rajesh Kumar Gupta, son/daughter  
of Shri Puran Chand Gupta, and of  
the Punjab State, has  
this day been admitted by the Syndicate in the degree of  
Doctor of Philosophy

in

"Economic Implications of Input  
Subsidies in Agriculture - A Case  
Study of Punjab."

in the faculty of  
Arts & Social Sciences

Given under the seal of the University

*Ranbir Singh*  
REGISTRAR

*B. Mehta*  
CHANCELLOR

*Jagindar Singh*  
VICE-CHANCELLOR

क्रमांक S-146

क्रमांक S.No. 0867237

# MAHARAJA GANGA SINGH विश्वविद्यालय, बीकानेर



प्रमाणित किया जाता है कि

रेणु बाला

विज्ञान संकाय में "टिनाफिण्गोडॉन आइडैला (वैलेनसिनीस, 1844) नामक एकजीटिक (विदेशी) स्वच्छ जलीय मछली के उतकों (शलक, रक्त और वृक्क) पर आरगेनाक्लोरीन कीडेमार दवाई एण्डोसल्फान के विषाक्त प्रभावों का अध्ययन" शीर्षक पर शोध प्रबन्ध दिनांक 06.10.2012 को स्वीकृत होने के उपरान्त

**डॉक्टर ऑफ़ फ़िलॉसफ़ि (प्राणिशास्त्र)**

को उपाधि प्रदान की जाती है।

यह उपाधि विश्वविद्यालय की मुद्रा तथा कुलपति के हस्ताक्षर से निर्गमित की जाती है।

**MAHARAJA GANGA SINGH UNIVERSITY, BIKANER**

Certified that the degree of

**Doctor of Philosophy (Zoology)**

in the Faculty of Science is conferred on  
**Renu Bala**

after approval of the thesis on 06.10.2012 on the title "Toxic Effects Of Organochlorine Pesticide Endosulfan On Scales, Blood And Kidney Of Exotic Fresh Water Fish, Ctenopharyngodon Idella (Valenciennes, 1844)."  
This degree is issued with the seal of the University and the Signature of the Vice Chancellor.



दिनांक 22.07.2015  
Date

उपरोक्त प्रमाण

*C. L. D. I. A.*

*[Signature]*  
विश्वविद्यालय

कुलपति

Vice Chancellor

मोप सी

No. 10435

Roll No. 3096

Registration No. MM(M)85-326

# Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

## Doctor of Philosophy

Certified that Bahadur Singh, son/daughter  
of Shri Gurmukh Singh and Smt. Gurdeep Kaur  
of Dept. of Physical Education, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

on  
**Construction and Standardization of Specific  
Physical Fitness and Skill Test Battery for  
University Level Kabaddi Players**

in the faculty of  
**Education & Information Sciences**

Given under the seal of the University.

*[Signature]*  
REGISTRAR  
PATIALA May 23, 2016

*[Signature]*  
CHANCELLOR

*[Signature]*  
VICE-CHANCELLOR

उपरोक्त मुद्रा कापी  
*[Signature]*  
प्रिन्सिपल ओ.डी. बाजल  
बचनलक्ष

# Punjabi University



## Doctor of Philosophy

Certified that Kulbhushan Rana, son/daughter  
of Shri Hardeep Singh, and of  
the Punjab State, has  
this day been admitted by the Syndicate in the degree of  
**Doctor of Philosophy**

in

"New Additions to Synthetic Transformations  
and Biologically Active Compounds"

in the faculty of

Physical Sciences

Given under the seal of the University

*Bessidhu*

REGISTRAR

Patiala JANUARY 27, 2003

*Harb*

CHANCELLOR

*Swarn Singh?*

VICE-CHANCELLOR

NO. 042817

Roll No. 4642

Registration No. MCI/201/2013

# Punjabi University Patiala



(Established under Punjab Act No. 33 of 1961)

## Doctor of Philosophy

Certified that Neetu Aggarwal, son/daughter  
of Shri Sohan Lal Aggarwal and Smt. Asha Aggarwal  
of Dept. of English, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

on

**Re-Writing Women Characters:  
An Intertextual Study Of Select Literary Texts**

in the faculty of

Languages

Given under the seal of the University.

REGISTRAR

PATIALA June 29, 2021

CHANCELLOR

VICE-CHANCELLOR

ਬਸੰਦੀਕ ਚੁਕਾ ਕਾਪੀ

ਪ੍ਰਿੰਸੀਪਲ

ਐਸ.ਪੀ. ਬਾਲਗ, ਬਠਿੰਡਾ

Serial B No. 10861

Roll No. 3296

Registration No. PUPP/1-146

# Punjabi University Patiala



(Established under Punjab Act No. 33 of 1961)

## Doctor of Philosophy

Certified that Jagtar Singh, son/daughter  
of Shri Gurbhajan Singh and Smt. Koshmit Kaur  
of Dept. of Punjabi, Punjabi University, Patiala

has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

on

ਪੰਜਾਬੀ ਗੀਤਾਂ ਦਾ ਸਭਿਆਚਾਰਕ ਪਰਿਪੇਖ

in the faculty of

Languages

Given under the seal of the University

M. J. J. J.  
REGISTRAR

PATIALA June 22, 2017

V. P. Singh  
CHANCELLOR

B. K. Singh  
VICE-CHANCELLOR

Serial No. 525213

REGISTRATION No. SL/ET/PI/D/7308

# Sant Longowal Institute of Engineering and Technology

(Deemed University)

Longowal, Distt. Sangrur (Punjab) - 148106

Upon the recommendation of the Senate hereby confers the Degree of

**Doctor of Philosophy**

on

**BALTEJ SINGH**

son of Sh. BALWINDER SINGH

**THIS TITLE: EXPERIMENTAL MEASUREMENTS OF K & L3 SUBSHELL JUMP RATIOS AND PHOTON-ATTENUATION CO-EFFICIENTS IN DIFFERENT MEDIA**

Given this day, the 17th of December 2012, under the seal of the Institute at Longowal in the presence of 3-2-2.

## संत लौगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

अभिष्ट को अनुमति पर

**विद्या वाचस्पति**

की उपस्थिति पर


**बलदेव सिंह**

**गुरुर श्री बलविन्दर सिंह**

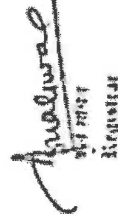
की प्रज्ञा कल्प है।

होय प्रबन्ध कार्यक: एक्सपेरिमेंटल मेजसमेंट्स आफ के एंड एल3 सबशेल जम्प रेशियो एंड फोटोन अटैनुएशन कोएफिशिएन्स इन डिफरेंट मीडिया

भारतीय गवर्नर के अंतर्गत अधिसूचना सं अत्र, दिनांक 17 दिसंबर 2012 का संस्थान को मुद्रा अंकित पर अंकित हो गई।

  
Chairman, Board of Management

  
Director & Chairman, Senate

  
Registrar



Roll No. 5835



# Punjab University

Doctor of Philosophy



( In the faculty of Languages )

Certified that Inderpreet Kaur, Regd. No. 18207000155, daughter of Shri. Jarnail Singh, and of the Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2022.

Given under the seal of the University

OK:

Controller of Examinations

*[Signature]*

Registrar



*[Signature]*

Vice Chancellor

*[Signature]*

Chancellor



**Sant Longowal Institute of Engineering and Technology**  
(Deemed University, Under MHRD, Govt. of India)  
Longowal, Distt. Sangrur (Punjab) - 148106

Upon recommendation of the Senior Lecturer confers the degree of  
**Bachelor of Philosophy**

OR  
MAWOJ KUMAR GUPTA  
Son of Sh. RAM LAGAN GUPTA

**THESES TITLE : MEASUREMENT OF ABSORPTION EDGE JUMP RATIO, JUMP FACTOR AND ATTENUATION COEFFICIENT IN DIFFERENT ENVIRONMENTS**

Submitted this day, the 7<sup>th</sup> April 2017, under the seat of the Bachelors in Engineering in the Department of Physics

**संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान**

श्रीमान को प्रमोद :-  
**विद्या वाचस्पति**

को उपाधि लब्ध हुन  
**नमोवल कुमार गुप्ता**

जान श्री राम लगन गुप्ता  
को लब्ध हुन है।

**श्रीमान प्रमोद शीर्षक : मेसुरमेंट ऑफ अवॉर्षन एज वन्य रेश्यो, वन्य फैक्टर एंड अटन्युएशन कोएफिशिएंट इन डिफरेंट एन्वियरमेंट्स**

जान श्रीमान को उपाधि लब्ध हुन है।

  
श्रीमान को प्रमोद  
Signature

श्रीमान को प्रमोद शीर्षक  
Signature & Chairman, Senate





श्रीमान को प्रमोद  
Chairman, Board of Management



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

Date of Notification of this Ph.D. Degree : 02.12.2016

**PREPARED BY**

SR

**CHECKED BY**

SR

**A.R. (ACADEMICS)**

SR

**DY. REGISTRAR (ACADEMICS)**

SR

Serial N<sup>o</sup> 89637

Roll No. 2815

Registration No. SD(B)2004-711

# Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

## Doctor of Philosophy

Certified that Harkanwal Singh, son/daughter  
of Shri Harnai Singh and Smt. Kamaljit Kaur,  
of the Dept. of Zoology and Environmental Sciences, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

in

Taxonomic Studies on Family Noctuidae (Lepidoptera)  
from North-East India

in the faculty of

Life Sciences

Given under the seal of the University.

  
REGISTRAR

PATIALA March 10, 2015

  
CHANCELLOR

  
VICE-CHANCELLOR

Roll No. 3899



# Jamiah University

## Doctor of Philosophy

( In the faculty of Arts )



Certified that Manjeet Singh, Regd. No. 12-fist-16, son of Shri. Rajbir Singh, and of the Haryana State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2017.

Given under the seal of the University

*Prin*

Controller of Examinations

*Signature*

Registrar



*Signature*

Vice Chancellor

*Signature*

Chancellor

Chandigarh, December, 28, 2017




Roll No. 3899

*LAND-GRAANTS OF EARLY MEDIEVAL NORTHERN INDIA: A SOCIO-ECONOMIC PERSPECTIVE*  
(FROM 600 C.E. TO 1200 C.E.)

*Ph.D. thesis submitted by Manjeet Singh  
In the Faculty of Arts/History  
Punjab University Chandigarh*

*Citation*

*The Study is an attempt to examine the Early Medieval Northern Indian Land-Grants with reference to Socio-Economic Dimensions. It is observed that the Early Medieval Indian History witnessed a glossary unequal distribution of land rights which hence created discrimination in the claim of agricultural produce as well.*

  
Registrar

Serial N **Nº** 89785

Roll No. 2920

Registration No. Z(P)90-17498

# Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

## Doctor of Philosophy

Certified that Tarapal Kaur, son/daughter  
of Shri Gurdas Singh and Smt. Manjit Kaur,  
of the Dept. of Punjabi, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

in

ਅੰਗਰੇਜ਼ੀ ਨਾਟਕ ਦਾ ਪੰਜਾਬੀ ਨਾਟਕ ਉੱਤੇ ਪ੍ਰਭਾਵ  
(ਸ਼ੈਕਸਪੀਅਰ ਅਤੇ ਜਾਰਜ ਬਰਨਾਰਡ ਸ਼ਾਅ ਦੇ  
ਵਿਸ਼ੇਸ਼ ਪ੍ਰਸੰਗ ਵਿੱਚ)

in the faculty of

Languages

Given under the seal of the University.

  
REGISTRAR  
PATIALA July 13, 2015

  
CHANCELLOR

  
VICE-CHANCELLOR

Roll No.: 71001500174

Regd No.: 2007.BOT/A.2



The Senate of  
**GURU NANAK DEV UNIVERSITY**  
have conferred upon

MANISH KUMAR


son/daughter of

PRITVI RAI

the degree of  
**Doctor of Philosophy**


in the faculty of

LIFE SCIENCES (BOTANY)

  
Professor Incharge (Examinations)

  
Registrar

  
Vice Chancellor

  
Chancellor

Amritsar : March 10, 2016

Serial No. 0219680



प्रमाणित किया जाता है कि

This is to certify that

*Sanjay Kumar Singh*

को डॉक्टर ऑफ फिलॉसफी की उपाधि हेतु योग्य घोषित किया गया है।

has been found eligible for the degree of **Doctor of Philosophy**

वर्ष / Year 2014

विषय / Subject *Physics*

शोध प्रबन्ध का शीर्षक / Title of the Thesis

*"AB-Initio Studies of Structural Electronic and Magnetic Properties of (Yb, Lu) Monopnictides : A Full-Potential Approach"*

एतदर्थ उन्हें 'डॉक्टर ऑफ फिलॉसफी' की उपाधि प्रदान की जाती है।

He/She is hence admitted to the degree of **Doctor of Philosophy**.

Jiwaji University  
Gwalior (M.P.)

Dated : 30.08.2014

Issued on 29 MAR 2016

*Sanjeev*  
कुलपति

Vice Chancellor



# Punjabi University



## Doctor of Philosophy

Certified that Gurdeep Singh, son/daughter  
of Shri Harneet Singh and  
the Punjab State has  
this day been admitted by the Syndicate in the degree of  
Doctor of Philosophy

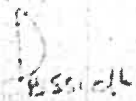
in


"Critical Analysis of Managerial Experiences  
of Case Study of Pepsi Food Division  
Corporation"


in the faculty of

Business Studies

Given under the seal of the University


  
REGISTRAR

  
CHANCELLOR

  
VICE-CHANCELLOR

Printed NOVEMBER 8, 1996

Attested

  
Principal

स्नातकोत्तर चिकित्सा शिक्षा एवं अनुसंधान संस्थान  
चण्डीगढ़



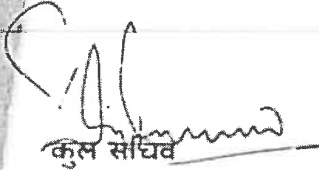
प्रमाणित किया जाता है कि सितम्बर, 1999 में परीक्षा के उपरान्त डॉक्टर ऑफ फिलास्फी की उपाधि के योग्य सिद्ध होने पर वन्दना गोवर को 2000 के दीक्षांत समारोह में उक्त उपाधि प्रदान की गई।

शीर्षक का विषय : प्यूरिफिकेशन एण्ड कैक्ट्राइजेशन ऑफ एन्ट्रोएग्ग्रेगटिव एसचरिचिया कोली अधेसिन "

Postgraduate Institute of Medical Education and Research,  
Chandigarh

*This is to Certify that VANDANA GROVER  
having been examined in September, 1999 and found  
qualified for the Degree of Doctor of Philosophy was  
admitted to the said Degree at the Convocation  
held in 2000*

Subject of thesis : " PURIFICATION AND CHARACTERIZATION OF ENTEROAGGREGATIVE  
ESCHERICHIA COLI ADHESIN "

  
कुल सचिव  
Registrar

  
निदेशक  
Director

  
अध्यक्ष  
President

दिनांक:  
Dated 12th Oct. 2000

# महर्षि दयानन्द सरस्वती विश्वविद्यालय अजमेर



प्रमाणित किया जाता है

कि (कुमारी) अमरदीप कौर को  
दिनांक इकतीस दिसम्बर, उन्नीस सौ पत्तानवे को योग्य  
पाये जाने पर

**डी.ए.ए. और फिलॉसफी**

(वनस्पति विज्ञान)

को उपाधि प्रदान की गई।

शोध प्रबन्ध का विषय निम्नलिखित था :-

*Influence of Plant Growth Regulators on the Production of  
Primary and Secondary Products in the Cotton Varieties  
growing in India.*

यह प्रमाण-पत्र इस विश्वविद्यालय की मुद्रा तथा  
कुलपति के हस्ताक्षर से निर्गमित किया जाता है।



प्रिय कुमारी

ਸਰੀਲ ਨੰ.  
Serial/ E N° 092054

Roll No. 3888

Registration No. Z(P)97-5718

# Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

## Doctor of Philosophy

Certified that Jeet Kaur, son/daughter  
of Shri Nahar Singh and Smt. Jeewanant Kaur  
of Dept. of Linguistics & Punjabi Lexicography, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

on  
ਅਜਮੇਰ ਔਲਖ ਦੇ ਨਾਟਕਾਂ ਦਾ  
ਉਪਭਾਸ਼ਾਈ ਅਧਿਐਨ

in the faculty of

Languages

Given under the seal of the University.

*M. S. S. I. a. l.*  
REGISTRAR  
PATIALA January 29, 2019

*V. P. Singh*  
CHANCELLOR

*B. P. Singh*  
VICE-CHANCELLOR

ਲੜੀ ਨੰ:

Serial/ E N° 092054

ਰੋਲ ਨੰਬਰ 3888

ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਨੰ. Z(P)97-5718

# ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ



(1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੰ. 35 ਤਹਿਤ ਸਥਾਪਿਤ)

## ਡਾਕਟਰ ਆਫ ਫਿਲਾਸਫੀ

ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ \_\_\_\_\_ ਜੀਤ ਕੌਰ  
 ਪੁੱਤਰ/ਪੁੱਤਰੀ ਸ੍ਰੀ \_\_\_\_\_ ਨਾਹਰ ਸਿੰਘ ਅਤੇ ਸ਼੍ਰੀਮਤੀ \_\_\_\_\_ ਜਸਵੰਤ ਕੌਰ  
 ਲਿੰਗੂਇਸਟਿਕਸ ਐਂਡ ਪੰਜਾਬੀ ਲੈਕਸੀਕੋਗ੍ਰਾਫੀ ਵਿਭਾਗ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ ਨੂੰ  
 ਯੂਨੀਵਰਸਿਟੀ ਦੀ ਸੈਨੇਟ ਦੁਆਰਾ

ਅਜਮੇਰ ਐਲਖ ਦੇ ਨਾਟਕਾਂ ਦਾ  
 ਉਪਭਾਸ਼ਾਈ ਅਧਿਐਨ

ਦੇ ਵਿਸ਼ੇ ਤੇ

ਲਿੰਗੂਏਜਿਜ਼

ਫੈਕਲਟੀ ਵਿਚ

## ਡਾਕਟਰ ਆਫ ਫਿਲਾਸਫੀ

ਦੀ ਡਿਗਰੀ

ਪਰਦਾਨ ਕੀਤੀ ਜਾਂਦੀ ਹੈ

ਯੂਨੀਵਰਸਿਟੀ ਦੀ ਸੀਲ ਅਧੀਨ ਪਰਦਾਨ ਕੀਤੀ ਗਈ।

ਮੁਕਤਿ ਕੌਰ  
 ਰਜਿਸਟਰਾਰ  
 ਪਟਿਆਲਾ

ਜਨਵਰੀ 29, 2019

Vijay  
 ਚਾਂਸਲਰ

ਬਿਠਿਯਾ ਮਲਕ  
 ਵਾਈਸ-ਚਾਂਸਲਰ

Regd. No. 2921-Z(P)72

Roll No. 176

# Punjabi University



## Doctor of Philosophy

Certified that Agjit Singh, son daughter  
of Shri Chansir Singh, and of  
the Punjab State, has

this day been admitted by the Senate to the degree of  
**Doctor of Philosophy**  
in

of Stylistic Analysis of G. S. Snow's Historical Plays.

in the faculty of

Arts & Social Sciences

Given under the seal of the University

D. S. Khan  
REGISTRAR

S. J. Singh  
CHANCELLOR

J. S. Singh  
VICE-CHANCELLOR

Patiala, MARCH 6, 1985.



# कुरुक्षेत्र-विश्वविद्यालयः, कुरुक्षेत्र

(1956 तम-वर्षगत-राज्यविद्यायिका-अधिनियम-XII-द्वारा स्थापितः)  
(“ए” श्रेणी, नाक-प्रत्यायितः)

## डॉक्टर ऑफ़ फ़िलॉसॉफी

इदमत्र प्रमाणोक्तियते यत् **अमित कुमार श्री ओमपकाश**  
महोदयस्य पुत्रः/पुत्री 2012 तमे संवत्सरे **समाजविज्ञान संकाय**  
तोऽस्य विश्वविद्यालयस्य **लोक प्रशासन** विषये

**डॉक्टर ऑफ़ फ़िलॉसॉफी** इत्युपाधिना समलङ्कृत/समलङ्कृता-इति।

विषयः: “नगरीय सरकार में सुशासन : फरीदाबाद नगर निगम का एक अध्ययन  
इत्यासीत्।”

# Kurukshetra University, Kurukshetra

(Established by the State Legislature Act XII of 1956)  
(\*A\* Grade, NAAC Accredited)


## Doctor of Philosophy

*This is to certify that **Amit Kumar** son/daughter of **Shri Om Parkash**,  
and of the **Faculty of Social Sciences***

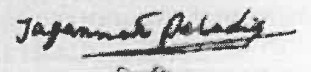
*has been awarded the Degree of **Doctor of Philosophy (Public Administration)**  
of this University, in 2012.*

*The topic of his/her Thesis was "**Good Governance in Municipal Government: A Study  
Faridabad Municipal Corporation.**"*

कुरुक्षेत्रे, तिथिः अप्रैलः ३०, २०१२  
Kurukshetra, Dated: April 30, 2012

  
कुलसचिवः  
Registrar

  
कुलपतिः  
Vice-Chancellor

  
कुलाधिपतिः  
Chancellor



# संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

लौंगोवाल, जिला संगरूर, पंजाब (भारत) - 148106  
(शिक्षा मंत्रालय, भारत सरकार के अधीन सम विश्वविद्यालय)

अभिषेक की अनुशंसा पर

## विद्या वाचस्पति

की उपाधि एतद द्वारा

### डिम्पल रानी सुप्री रमेश कुमार

विभाग गणित

को प्रदान करता है।

**शोध प्रबन्ध शीर्षक :** लापलेस ट्रांसफॉर्म बेस्ड न्यूमेरिकल सोल्यूशन्स ऑफ सर्टन डिफरेंशियल एंड इंटीग्रल एक्वेशन्स

पाँच मार्च दो हजार इक्कीस को भारतीय गणराज्य के अधीन लौंगोवाल (पंजाब) में स्थित संस्थान की मुद्रा अंकित यह उपाधि प्रदान की गयी।

## Sant Longowal Institute of Engineering and Technology

(Deemed to be University under Section 3 of UGC Act, 1956)

(CETI under Ministry of Education, Govt. of India)

Longowal, Distt. Sangrur, Punjab (India) - 148106

Upon recommendation of the Senate hereby confers the degree of

## Doctor of Philosophy

on

**DIMPLE RANI Daughter of RAMESH KUMAR**

**Department of Mathematics**

**THIS TITLE : LAPLACE TRANSFORM BASED NUMERICAL SOLUTIONS OF CERTAIN DIFFERENTIAL AND INTEGRAL EQUATIONS**

On this day, the 5<sup>th</sup> of March 2021, under the seal of the Institute at Longowal (Punjab) in the Republic of India.



कुल सचिव  
Registrar



निदेशक एवं अध्यक्ष, अभिषेक  
Director & Chairman, Senate



अध्यक्ष, प्रबंधन मंडल  
Chairman, Board of Management





Serial No. Ph.D. 1333

Admission No. L-2015-BS-89-D

**Punjab Agricultural University**  
**Ludhiana (India)**



*Provisional Degree Certificate*

This is to certify that Kamalpreet Kaur,  
son/daughter of Mr Ramandeep Singh Uppal and  
Ms Hardeep Kaur Uppal, has  
successfully completed the requirements of course work and thesis for the  
degree of Doctor of Philosophy in Zoology  
of this University in the month of July, 2019

His/Her Overall Credit Point Average is 7.72 out of 10.00.

OCPA in words Seven point seven two out of ten.

Dated

14 AUG 2019

  
Registrar

Serial No : 108984.....

Registration-cum-University Roll Number: A176811004



# GURU KASHI UNIVERSITY

TALWANDI SABO, BATHINDA (PUNJAB)-151302

(Established by the Punjab State Legislature Act 37 of 2011 and approved by UGC)

Doctor of Philosophy

This is to certify that Ms. Kirandeep Kaur daughter of Sh. Harbhajan Singh

and of the faculty of Punjabi has been awarded the Degree of

Doctor of Philosophy (Punjabi) of this University in 2021.

The topic of his/her thesis was

“Malwe Dian Bujhartaan Da Sabhyacharak Adhyan”

Given under the seal of University

**Rama**  
Digitally signed  
by Rama Sharma  
Date: 2023.11.09  
15:37:29 +05'30'

Principal  
S.D. College Barnala

CONTROLLER OF EXAMINATIONS

REGISTRAR

VICE CHANCELLOR

04<sup>th</sup> May 2021