



**2.4.2.1: Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/L.L.D/D.Sc./D'Lit.year-wise during the last five years**

2018-19		
S. No	Name of the Faculty	Page No.
1	Rajinder Singh Rekhi	<a href="#">4</a>
2	Rakesh Kumar Mahajan	<a href="#">5</a>
3	Gurbachan Singh Saroa	<a href="#">6</a>
4	K. K. Rattu	<a href="#">7</a>
5	Kailash Nath Kaul	<a href="#">8</a>
6	Anju Pathania	<a href="#">9</a>
7	Samriti Khosla	<a href="#">10</a>
8	Jasbir Rishi	<a href="#">11</a>
9	Ruhidas Ghatak	<a href="#">12</a>
10	Puja Rattan	<a href="#">13</a>
11	Ruchi Sood	<a href="#">14</a>
12	Geetanjali	<a href="#">15</a>
13	Lakhmir Singh	<a href="#">16</a>
14	Sandeep Vij	<a href="#">17</a>
15	Praveen Kumar	<a href="#">18</a>
16	Harpreet Walia	<a href="#">19</a>
17	Nishi Sondhi	<a href="#">20</a>
18	Rekha Gaba	<a href="#">21</a>
19	Chayanika Putatunda	<a href="#">22</a>
20	Ripu Daman Parihar	<a href="#">23</a>
21	Kapil Chaudaha	<a href="#">24</a>
22	Raj Kumar Seth	<a href="#">25</a>
23	Sadhna	<a href="#">26</a>
24	Yogesh Kumar	<a href="#">27</a>
25	Raj Bala	<a href="#">28</a>
26	Ahmad Husain	<a href="#">29</a>
27	Girish Taneja	<a href="#">30</a>
28	Abhishek Thakur	<a href="#">31</a>
29	Satish Sharma	<a href="#">32</a>
30	Rajiv Kumar	<a href="#">33</a>
31	Tejinder Kaur	<a href="#">34</a>

32	Indu Sharma	<a href="#">35</a>
33	Rupinder Sayal	<a href="#">36</a>
34	Vikas Sharma	<a href="#">37</a>
35	Preeti Solanki	<a href="#">38</a>
36	Manviri Rani	<a href="#">39</a>
37	Satinder Kumar	<a href="#">40</a>
38	Ashutosh Sharma	<a href="#">41</a>
39	A. Harshavardhan Reddy	<a href="#">42</a>
40	Ashish Sharma	<a href="#">43</a>
41	Inam Mohammad	<a href="#">44</a>
42	Sapna Sethi	<a href="#">45</a>
43	Pushpinder Singh	<a href="#">46</a>
44	Akshay Kumar	<a href="#">47</a>
45	Ankush Gupta	<a href="#">48</a>
46	Gagandeep	<a href="#">49</a>
47	Sharanjit Singh	<a href="#">50</a>
48	Komal Jain	<a href="#">51</a>
49	Keshav Walia	<a href="#">52</a>
50	Daljit Kaur	<a href="#">53</a>
51	Anil Pawar	<a href="#">54</a>
52	Rahul Kumar	<a href="#">55</a>
53	Sumit Vashisth	<a href="#">56</a>
54	Mamta Gupta	<a href="#">57</a>
55	Vikas Sharma	<a href="#">58</a>
56	Rekha Handa	<a href="#">59</a>
57	Anita Abrol	<a href="#">60</a>
58	Shelly Garg	<a href="#">61</a>
59	Deepak Grover	<a href="#">62</a>
60	Rajesh Khanna	<a href="#">63</a>
61	Sandeep Kumar	<a href="#">64</a>
62	Gurmeet Singh	<a href="#">65</a>
63	Mamta Rani	<a href="#">66</a>
64	Rama Gupta	<a href="#">67</a>
65	Girish Kumar	<a href="#">68</a>
66	Vijay Singh	<a href="#">69</a>
67	Akshay Kumar Vats	<a href="#">70</a>
68	Karan Paul	<a href="#">71</a>
69	Praveen Guleria	<a href="#">72</a>
70	Saruchi	<a href="#">73</a>
71	Rakesh Kumar	<a href="#">74</a>
72	Rakesh Kumar	<a href="#">75</a>
73	Hiteshwari Sabrol	<a href="#">76</a>
74	Manik Sharma	<a href="#">77</a>
75	Ajay Kumar	<a href="#">78</a>
76	Mohinder Pal Garg	<a href="#">79</a>
77	Sukhdeep Kumar	<a href="#">80</a>
78	Mohit Sharma	<a href="#">81</a>

79	Gopal Singh	<a href="#">82</a>
80	Garima Baluja	<a href="#">83</a>
81	Jyoti	<a href="#">84</a>
82	Sanjeev Kumar Sharma	<a href="#">85</a>
83	Nakul Kundra	<a href="#">86</a>
84	Sarika Verma	<a href="#">87</a>
85	Raj Kumar	<a href="#">88</a>
86	Suraj Goyal	<a href="#">89</a>
87	Rashmi Sharma	<a href="#">90</a>
88	Manju Deorari	<a href="#">91</a>
89	Gurpreet Kaur	<a href="#">92</a>
90	Yanchen Dolma	<a href="#">93</a>
91	Shilpa Kaushal	<a href="#">94</a>
92	Aditi Sharma	<a href="#">95</a>
93	Rupender Kumar	<a href="#">96</a>
94	Shelly Gupta	<a href="#">97</a>
95	Vinod Kumar	<a href="#">98</a>
96	Chanda Chadha	<a href="#">99</a>
97	Bandna Bharti	<a href="#">100</a>
98	Shikha	<a href="#">101</a>
99	Ashutosh Gupta	<a href="#">102</a>
100	Preeti Mehra	<a href="#">103</a>
101	Sankalap Arora	<a href="#">104</a>
102	Chetan Vasudeva	<a href="#">105</a>
103	Vikram Kamboj	<a href="#">106</a>
104	Himani Arora	<a href="#">107</a>
105	Ramandeep	<a href="#">108</a>
106	Navneet Singh	<a href="#">109</a>
107	Sakshi Verma	<a href="#">110</a>
108	Rajinder Kaur	<a href="#">111</a>
109	Ashu Sharma	<a href="#">112</a>
110	Sonika Sharma	<a href="#">113</a>
111	Nirja Kumari	<a href="#">114</a>
112	Nisha Devi	<a href="#">115</a>
113	Gitika Nagrath	<a href="#">116</a>
114	Saloni Raheja	<a href="#">117</a>
115	Harpreet Singh	<a href="#">118</a>
116	Gagan Deep	<a href="#">119</a>
117	Jaswinder Singh	<a href="#">120</a>
118	Yeshbeer Singh	<a href="#">121</a>
119	Aarti	<a href="#">122</a>

# Punjab Agricultural University

Admission No. 1-74-A-32-D



Certified that Rajinder Singh Rekhi  
son of Shri. Jaidev Singh Rekhi  
has obtained the degree of Doctor of Philosophy  
having successfully completed the programme for  
this degree in August 1980.

Given under the seal  
of the University

Ludhiana May 5, 1981

S. Khanna

Registrar

U. Chaur

Vice-Chancellor

J. L. Hatz

Chancellor

**ATTESTED**

[Signature]  
Registrar

DAV University, Jalandhar



## Faculty Profile



Rakesh Kumar Mahajan  
Professor  
M.Sc. Ph.D (Chemistry)

Punjab, 9872856579

**Specialization :** Specialization : Physical Chemistry, Analytical & Environmental Chemistry  
**Area(s) of Research :** Chemical Sensors, Colloids and Interfaces (Interactions between surfactants and polymers/Drugs), Electroanalytical methods of analysis

**Research Scholars :** Guided : 30  
Registered : 0

**Experience :** 0

<b>Journals</b> 164	<b>Conference Papers</b> 3	<b>Books Chapters</b> 2
<b>Research Projects</b> 11	<b>Memberships</b> 6	<b>Honors/Awards</b> 3

[Positions](#) [Books](#) [Scholarly Achievements](#) [Conferences/Symposia/Workshops](#) [National/Inter. Fora](#) [Research Exposure](#) [Administrative Experience](#)

[Research Experience](#) [Articles \(Magazine/Newspapers\)](#) [FDP Details](#) [Other Info](#)



# Punjab Agricultural University

Admission No. L-80-A-40-D

31



Certified that Gurbachan Singh  
son of Shri Puran Singh  
has obtained the degree of Doctor of Philosophy  
having successfully completed the programme  
for this degree in March 1986.

Given under the seal  
of the University

Amritsar, May 28, 1986

*[Signature]*  
Registrar

*[Signature]*  
Vice-Chancellor

*[Signature]*  
Chancellor

Attested  
*[Signature]*  
6/2/17.

ATTESTED  
*[Signature]*  
Registrar  
DAV University, Jalandhar

# राजस्थान विश्वविद्यालय जयपुर

हम, राजस्थान विश्वविद्यालय के कुलाधिपति, कुलपति तथा सेनेट के सदस्य, प्रमाणित करते हैं-कि  
 कृष्ण कुमार रत्तू को कला संकाय में  
 दूरदर्शन : प्रयोजनमूलक डिग्री के विविध प्रयोग : एक अनुशीलन

विषय पर दिनांक 21-04-1994 को शोध प्रबन्ध स्वीकृत होने के उपरान्त  
**डाक्टर ऑफ़ फिलॉसफी**  
 की उपाधि प्रदान की गई ।

प्रमाण पत्र इस विश्वविद्यालय की मुद्रा एवं कुलपति के हस्ताक्षर से अंकित किया जाता है ।

जयपुर दिनांक 29-06-1995

*[Signature]*  
कुलपति

## University of Rajasthan JAIPUR

We, the Chancellor, Vice-Chancellor and Members of Senate of the University of Rajasthan, certify that the  
 Degree of **Doctor of Philosophy**  
 In the faculty of **Arts** has been conferred on **K. K. Rattu**  
 after approval of the thesis on the title

दूरदर्शन : प्रयोजनमूलक डिग्री के विविध प्रयोग : एक अनुशीलन

On 21-04-1994



In testimony whereof are set the seal of the said University and the  
 Signature of the Vice-Chancellor.

Jaipur, Dated 29-06-1995

*[Signature]*  
Attested

*[Signature]*  
Vice-Chancellor

निदेशक (अभि.)  
 DIRECTOR (ENGS.)  
 दूरदर्शन बोर्ड, देहरादून  
 Roopnagar, Kanona, DEHRADUN

ATTESTED

Registrar

DAV University Jaipur

Roll No. 11

10

Reg. No. 75-1/A/1765



The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

Swilash Nishy  
son/daughter of Shree. Harivansh Nishy

the degree of  
**DOCTOR OF PHILOSOPHY**

in the Faculty of Sciences (Chemistry)

R. Bawa  
REGISTRAR

M. S. Seth  
VICE-CHANCELLOR

H. Singh  
CHANCELLOR

Amritsar, January 25, 2000.

DAV University, Jalandhar  
Registrar  
ATTESTED



170

Form E / Admission No. A-19-11-0



विश्वविद्यालय के प्रतीकाधीन प्रदत्त  
Given under the seal of the University

चौ० शरवण कुमार  
**हिमाचल प्रदेश कृषि विश्वविद्यालय**

विद्वत् परिषद् की संस्तुति पर  
अंजू पठानिया  
को  
विज्ञान वाचस्पति  
(पौध प्रजनन)

की उपाधि के लिए अपेक्षित पाठ्यक्रम का २६.३.२००४ को सफल पारण करके  
८.०५/१०.०० समग्रकोटि मध्यमान अंक अर्जित करने पर उक्त उपाधि प्रदान की जाती है।

Ch. Sarwan Kumar

**Himachal Pradesh Krishi Vishwavidyalaya**

on the recommendation of the  
Academic Council hereby confers upon

Anju Pathania

the degree of

**Doctor of Philosophy**

(Plant Breeding)

having successfully completed on 26.3.2004 all the requirements for the  
degree with an overall grade point average of 8.05/10.00


ATTESTED

Registrar

DAV University, Jalandhar

पलमपुर (हिमाचल प्रदेश)  
Palampur (Himachal Pradesh)

दिनांक  
the 1st Nov., 2006

  
कुल सचिव  
Registrar

  
कुलपति  
Vice-Chancellor

Registration No. Ph.D.(B)-9/99 (C)

Thapar Institute of Engineering and Technology, Patiala  
(Deemed University)

Doctor of Philosophy

Verified that Savitri Khosla (MS) son/daughter of  
Shri B. M. Khosla & Smt. Subhash Khosla  
has obtained the Degree of Doctor of Philosophy on his/her having  
successfully completed the prescribed requirements for the said degree  
in May 2004.

Given this day under the seal of the Institute at Patiala,  
the Eight day of October, Two Thousand and Four

Registrar  
*[Signature]*



*[Signature]*  
Director

ATTESTED  
Registrar  
JAV University, Jalandhar

104



Roll No. **73**      Regd. No. **73.KWJ/A.22**

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

**JASBIR KAUR**

son/daughter of

**AMAR SINGH**

the degree of  
**Doctor of Philosophy**

in the faculty of

**ARTS AND SOCIAL SCIENCES (PSYCHOLOGY)**

*R. Sawo*  
**Registrar**

*P. P. Singh*  
**Vice-Chancellor**

*S. P. Singh*  
**Chancellor**

Amritsar : **March 18, 2005**

Registrar  
 Guru Nanak Dev University, Jalandhar

**ATTESTED**

(27)

Bidhan Chandra Krishi Viswavidyalaya



This is to certify that  
Rukidas Ghatak  
obtained

The Degree of  
Doctor of Philosophy  
(Agriculture)

in this Viswavidyalaya in the year 2005  
on fulfilment of the prescribed requirements,  
and the Special branch of his/her study  
having been Agronomy  
and that he/she secured 74.3 as  
Overall Grade Point Average out of 100.

ATTESTED  
Mehampur, West Bengal  
06 APR 2006  
JAV University

Self attested  
27/06/09

D. K. Bishal  
Vice-Chancellor

559



92

विश्वविद्यालय के प्रतीकाधीन प्रदत्त  
Given under the seal of the University

चौ० सूर्यवर्ण कुमार  
हिमाचल प्रदेश कृषि विश्वविद्यालय

विद्वत् परिषद् की संस्तुति पर

पूजा रत्न

को

विज्ञान वाचस्पति

(शाक विज्ञान)

की उपाधि के लिए अपेक्षित पाठ्यक्रम का २५.३.२००६ को सफल पारण करके  
७.४९/१०.०० समग्रकोटि मध्यमान अंक अर्जित करने पर उक्त उपाधि प्रदान की जाती है।

Ch. Surwan Kumar

Himachal Pradesh Krishi Vishwabidyalaya

on the recommendation of the  
Academic Council hereby confers upon

Puja Rattan

the degree of


Doctor of Philosophy

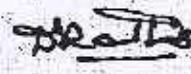
(Vegetable Science)

having successfully completed on 25.3.2006 all the requirements for the  
degree with an overall grade point average of 7.49/10.00 ✓

पालामपुर (हिमाचल प्रदेश)  
Palampur (Himachal Pradesh)

दिनांक  
the 1st Nov., 2006

  
कुल सचिव  
Registrar

  
कुलपति  
Vice-Chancellor

ATTESTED  
  
Registrar  
Himachal Pradesh University, Jalandhar



विश्वविद्यालय के प्रतीकाधीन प्रदत्त  
Given under the seal of the University

चौ० सरवण कुमार

# हिमाचल प्रदेश कृषि विश्वविद्यालय

विद्वत् परिषद् की संस्तुति पर  
रुचि सूद  
को  
विज्ञान वाचस्पति  
(शाक विज्ञान)

की उपाधि के लिए अपेक्षित पाठ्यक्रम का ७.४.२००६ को सफल पारण करके  
७.७३/१०.०० समग्रकोटि मध्यमान अंक अर्जित करने पर उक्त उपाधि प्रदान की जाती है।

Ch. Sarwan Kumar

## Himachal Pradesh Krishi Vishwavidyalaya

on the recommendation of the  
Academic Council hereby confers upon

Ruchi Sood

the degree of

Doctor of Philosophy  
(Vegetable Science)

having successfully completed on 7.4.2006 all the requirements for the  
degree with an overall grade point average of 7.73/10.00

पालमपुर (हिमाचल प्रदेश)  
Palampur (Himachal Pradesh)

दिनांक  
the 1st Nov., 2006

Self Attested  
Ruchi

  
कुल सचिव  
Registrar

  
कुलपति  
Vice-Chancellor

ATTESTED

Registrar

DAV University, Jalandhar

563

# Punjab University

Doctor of Philosophy  
(In the Faculty of Science)

Certified that Beetanjali, Regd. No. 2002-ez-121,  
daughter of Shri M. R. Manchanda, and of Chandigarh  
(Union Territory), has obtained the degree of Doctor of  
Philosophy of this University on the result of the examination  
held in 2006.

DAV University, Jalandhar  
Registrar  
ATTESTED

Given under the seal of the University

*Sodh*  
Controller of Examinations

*S. Manohar C. Basu*  
Registrar



*Resob*  
VICE-CHANCELLOR

*[Signature]*  
CHANCELLOR

*Beetanjali*  
11/12/06

Chandigarh, December 28, 2006

499

28

Roll No.: 18



Regd No.: 2005 Ph.D. (Bot.)-08

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

LAKHMIR SINGH

son/daughter of

PARKASH CHAND

the degree of  
**Doctor of Philosophy**

in the faculty of

LIFE SCIENCES (BOTANY)

ATTESTED

Registrar  
NAV University, Jalandhar

*R. Sarma*  
Registrar

*Vijay Kallan*  
Hallan, Ph.D.  
Senior Scientist, Plant Virology  
Floriculture Division  
ICR-IHBT, Palampur (H.P.)-176061

*Sai. Rup Singh*  
Vice-Chancellor

*S. R. Singh*  
Chancellor

Amritsar : June 14, 2007



121

Roll No.: 47



Regd No.: 89 J/A-1082

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

SANDEEP VIJ

son/daughter of

NAND LAL VIJ

the degree of  
**Doctor of Philosophy**

in the faculty of

ECONOMICS AND BUSINESS (MARKETING)

*R. Barua*

Registrar

*Jai Raj S'*

Vice-Chancellor

*S.R. Singh*

Chancellor

Amritsar : August 31, 2007

DAV University, Jalandhar

Registrar

ATTESTED

*Attested by Registrar*

57



Roll No.: 47

Regd No.: 2000.Aphy/A-5

# The Senate of GURU NANAK DEV UNIVERSITY

have conferred upon

PRAVEEN KUMAR

son/daughter of

BALDEV SHARMA

the degree of  
Doctor of Philosophy

in the faculty of

APPLIED SCIENCES (APPLIED PHYSICS)

*R. Barua*  
Registrar

*Sai. Rup. Singh*  
Vice-Chancellor

*S. R. Singh*  
Chancellor

Amritsar : October 15, 2008

Self Attested  
*P. Kumar*

DAV University, Jalandhar  
Registrar

ATTESTED

Roll No.: 151



Regd No.: 96 DA/A-1154

# The Senate of GURU NANAK DEV UNIVERSITY

have conferred upon

HARPREET WALIA

son/daughter of

DILARAMVIR SINGH

the degree of  
Doctor of Philosophy

in the faculty of

LIFE SCIENCES (BOTANICAL & ENV. SCIENCES)

*R. Singh*  
Registrar

*R. Bhowra*  
Vice-Chancellor

*S. Singh*  
Chancellor

Amritsar : June 29, 2009

*Prof. A.H.*  
Prof. P.P.S.  
Dept. of Paediatrics  
Govt. Medical College, Am

DAU University,  
Registrar,  
Ludhiana

ATTESTED

Roll No.: 141

Regd No.: 98.BOT/A.9

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

NISHI SONDHI

son/daughter of

SUSHIL KUMAR

the degree of  
**Doctor of Philosophy**

in the faculty of

LIFE SCIENCES (BOTANICAL & ENV. SCIENCES)

H. Singh  
Registrar

A. Bhawra  
Vice-Chancellor

S. Singh  
Chancellor

Amritsar : June 29, 2009

**ATTESTED**  
[Signature]  
Registrar  
DAV University, Jalandhar



# कुरुक्षेत्र - विश्वविद्यालयः

(1956 तम-वर्षगत-राज्यविद्यापिका-अभिधिनम-XII-द्वारा स्थापितः)

("ए" श्रेणी, नाक-प्रत्यायितः)  
डॉक्टर ऑफ़ फ़िलासॉफी

इदमत्र प्रमाणीकृतते यत् रेखा गाबा  
श्री जगदीश गाबा महोदयस्य पुत्रः/पुत्री 2009  
तमे संवत्सरे विज्ञान संकाय तस्य  
विश्वविद्यालयस्य रसायन शास्त्र विषये

डॉक्टर ऑफ़ फ़िलॉसॉफी इत्युपाधिना समलङ्कृत/समलङ्कृता-इति।  
अस्य/अस्याः शोध प्रबन्धस्य विषयः "इन्टरमोलिक्युलर इन्ट्रैक्शन्स इन बार्नर  
लिक्विड मिक्सचरसः एन थियोरिटिकल एण्ड एक्सपेरिमेंटल स्टडी इत्यादीत्।

## Kurukshetra University

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

### Doctor of Philosophy

This is to certify that Rekha Gaba  
Daughter of Shri Jagdish Gaba and  
the Faculty of Science has been awarded  
Degree of Doctor of Philosophy ( Chemistry )  
this University, in 2009.

The topic of his/her Thesis was "Intermolecular Interactions  
Binary Liquid Mixtures: A Theoretical and Experimental Approach"

ATTESTED

Registrar  
DAV University, Jalandhar



चौधरी चरण सिंह  
हरियाणा कृषि विश्वविद्यालय, हिसार

(1970 के संसदीय अधिनियम संख्या 16 द्वारा स्थापित)

चयनिका पूतबुन्द सुपुत्री श्री भूपेन्द्र नाथ एवं श्रीमती गीतांजलि को जून, 2009 में  
निर्धारित पाठ्यक्रम सफलतापूर्वक सम्पन्न करके के प्रमाणस्वरूप सूक्ष्मजीव विज्ञान में  
विद्या वाचस्पति की उपाधि प्रदान करता है।

**Chaudhary Charan Singh**  
**Haryana Agricultural University, Hisar**  
(Established by Parliament Act No. 16 of 1970)

hereby confers upon *Chayanika Putabunda's* daughter of Shri *Bhupendra Nath* and  
Smt. *Gitanjali* the degree of Doctor of Philosophy in *Microbiology* in testimony of her having  
successfully completed the prescribed programme in *June, 2009*.

स्थान: हिसार (भारत)  
तिथि: 10 दिसम्बर, 2010  
Place: Hisar (India)  
Date: December 10, 2010

*S.S. Dahiya*  
(S.S. Dahiya)  
कुलसचिव  
Registrar

*K.S. Khokhar*  
(K.S. Khokhar)  
कुलपति  
Vice-Chancellor

*Jagmohan Pabada*  
(Jagmohan Pabada)  
कुलाधिपति  
Chancellor

47

ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ

(31)



Guru Nanak Dev University

Amritsar-143005 (Punjab), India

(Established by the State Legislature Act No. 21 of 1969, and awarded the status of "University with Potential for Excellence" by the University Grants Commission, New Delhi)

Certificate of Compliance

This is to certify that

RIPU DAMAN PARIHAR

Roll No. 71001700164

Regd No. 2013.PHD(ZOO)-02

Son/daughter of

CHAMAN LAL PARIHAR

has been awarded the degree of Doctor of Philosophy in the Faculty of

LIFE SCIENCES (ZOOLOGY)

in accordance with the

UGC (Minimum Standards and Procedure for Award of Ph.D. Degree Regulations-2009),

published in the Gazette of India, dated July 11, 2009, and adopted by the Syndicate of

Guru Nanak Dev University, Amritsar on December 3, 2009. Further Certified that he/she

earned 16.00 credits for Pre-Ph.D. course work, and his/her Cumulative Grade

Point Average was 7.81 on a 10 point scale.

Amritsar  
April 4, 2018

Professor Incharge  
(Examinations)

ATTESTED

Registrar  
Guru Nanak Dev University, Jalandhar

Grade Report Card/Detail Marks Card void if Hologram tampered

# रानी दुर्गावती विश्वविद्यालय, जबलपुर

(NAAC ACCREDITED B++ UNIVERSITY)



## विद्यावाचस्पति

38849

प्रमाणित किया जाता है कि

श्री कपिल चौदहा

को इस विश्वविद्यालय के कला संकाय के अंतर्गत अंग्रेजी विषय में

विद्यावाचस्पति (डॉक्टर ऑफ फिलासफी)

की उपाधि से वर्ष 2009 में विभूषित किया गया।

इनके शोध प्रबन्ध का विषय है -

"A LITERARY EVALUATION OF THE SPEECHES OF ABRAHAM LINCOLN "

*Rani Durgavati Vishwavidyalaya, Jabalpur*

## DOCTOR OF PHILOSOPHY

*This is to certify that*

*Shri Kapil Chaudaha*

*has been awarded the degree of*

## DOCTOR OF PHILOSOPHY

*in the subject English under the Faculty of*

*Arts of this University in the year 2009.*

*The title of his thesis is -*

"A LITERARY EVALUATION OF THE SPEECHES OF ABRAHAM LINCOLN "

**ATTESTED**

*Registrar*  
DAV University, Jalandhar

*Ram Rajesh*

कुलपति

Vice-Chancellor

जबलपुर, दिनांक : 24 जून 2010.

Jabalpur, Dated : 24th June 2010.



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# YORK UNIVERSITY

THE CHANCELLOR AND SENATE OF YORK UNIVERSITY IN TORONTO, CANADA, CONFER ON

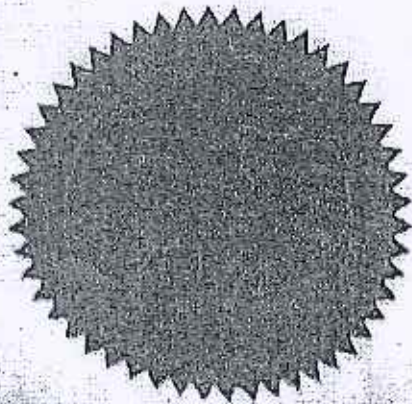
Raj Kumar Seth

WHO HAS COMPLETED TO THE SATISFACTION OF THE FACULTY OF GRADUATE STUDIES  
ALL THE REQUIREMENTS OF THE COURSE OF STUDY APPOINTED BY THE STATUTES  
OF THE UNIVERSITY, THE DEGREE OF

Doctor of Philosophy

AND GRANT ALL THE HONOURS, RIGHTS AND PRIVILEGES WHICH APPERTAIN  
TO THIS DEGREE.

October 2010



*[Signature]*  
CHANCELLOR

*[Signature]*  
PRESIDENT AND VICE CHANCELLOR

ATTESTED

*[Signature]*  
Registrar

YORK UNIVERSITY

01

Regd. No. 14304000453

Roll No. 508

# Punjab University



## Master of Philosophy

ATTESTED

Certified that

Sadhna

son/daughter of

Shri

Satpal

and Smt.

Neelam

and

of the

Department of Economics

Punjab University

Chandigarh, has obtained the degree of Master of Philosophy of this University, having passed the examination for the said degree, held in May, 2011, in the subject of Economics in the First Division.

Given under the seal of the University

*Anu Lina Lina*

Vice Chancellor,

A K Bhandari  
Controller of Examinations



*Devendra Singh*

Chancellor.

A K Bhandari

Stamp: October 10, 2012

15

69

Registrar  
GNDU University, Jalandhar

ATTESTED



Roll.No.: 77

Regd No.: 2000.RP/A.9

# The Senate of GURU NANAK DEV UNIVERSITY

have conferred upon

YOGESH KUMAR

son/daughter of

PREM KUMAR

the degree of  
Doctor of Philosophy

in the faculty of

LIFE SCIENCES (BIOTECHNOLOGY)

Registrar

Vice-Chancellor

Chancellor

ATC

Dr. Prem Kumar

M.A.S., M.D., PCMSF

Res.DT. 29/6/22

Amritsar : November 4, 2011

Roll No. 2079

# Punjabi University



Doctor of Philosophy  
(In the faculty of Science)

Raj Bala, Regd. No. 2001-anth-8

Ram Diya, and of

Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy

Certified that daughter of Shri Chandigarh (Union Territory) of this University on the result of the examination held in 2011

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

A. K. Bhandari  
Registrar



Resable  
Vice Chancellor

Chancellor

Chandigarh, September, 15, 2011

169

PH.D. (Phy) No. 9950

دکترا فی فلسفہ

دکترا فی فلسفہ



دکترا فی فلسفہ

# Doctor of Philosophy

This is to certify

that *Ahmad Husain,*

Enrol. No. *9950*, has been awarded

the degree of Doctor of Philosophy

in *Chemistry*

of this University for the year *2011*

**ATTESTED**

*[Signature]*

Registrar

Aligarh Muslim University, Jalandhar

*[Signature]*

Vice-Chancellor

ALIGARH MUSLIM UNIVERSITY  
ALIGARH - 202 002, INDIA

Date of issue

UNIVERSITY  
2002

REG. NO. 0110910

गुरु जम्भेश्वर विज्ञान तथा प्रौद्योगिकी विश्वविद्यालय  
डॉक्टर ऑफ फिलॉसफी  
(हरियाणा स्कूल ऑफ बिजनेस)

प्रमाणित किया जाता है कि गिरिश तनेजा सुपुत्र श्री एन. के. तनेजा को हरियाणा स्कूल ऑफ बिजनेस में डॉक्टर ऑफ फिलॉसफी की उपाधि प्रदान की जाती है।

शोध प्रबन्धन का विषय : मार्केटिंग प्रैक्टिस इन फार्मेस्यूटिकल इन्डस्ट्री।

**GURU JAMBHESHWAR UNIVERSITY  
OF SCIENCE & TECHNOLOGY**

**Doctor of Philosophy**  
(HARYANA SCHOOL OF BUSINESS)

This is to certify that **GIRISH TANEJA** son of **SH.N.K. TANEJA** is hereby awarded the degree of Doctor of Philosophy in Haryana School of Business.

Title of the thesis : **MARKETING PRACTICES IN PHARMACEUTICAL INDUSTRY.**

विश्वविद्यालय के मुद्रण द्वारा प्रमाणित  
*Given under the seal of the University*

Registrar

**ATTESTED**  
Registrar

*Signature*  
Vice-Chancellor

*Signature*  
Nov 11  
Salandhar

*Signature*  
Chancellor

दिनांक : 16-02-2011  
Date: 16-02-2011

६२ नम  
Serial

No 0006207

कक्षा  
Roll No.  
पंजीकरण संख्या

419.....

Enrollment No

05-S.I.L.B-74

59

# हिमाचल प्रदेश विश्वविद्यालय



## दर्शन निष्णात

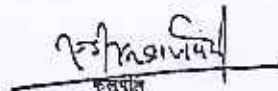
प्रमाणित किया जाता है कि.....अभिषेक ठाकुर....., सुपुत्र/सुपुत्री  
श्री.....सुरिन्द्र ठाकुर.....और.....जैव प्रौद्योगिकी  
विभाग.....के छात्र/की-छात्रा ने इस विश्वविद्यालय से अक्टूबर 2011  
की परीक्षा में.....जैव प्रौद्योगिकी.....विषय लेकर दर्शन निष्णात को उपाधि  
.....प्रथम.....श्रेणी में प्राप्त की।

# Himachal Pradesh University

## Master of Philosophy

Certified that.....Abhishek Thakur....., son/daughter of  
Shri.....Surinder Thakur...and of the...Department....of.....  
Bio-Technology has obtained the degree of **Master of Philosophy** in  
this University, having passed the examination for the said degree, held  
in October 2011....., in the.....First.....division, in the subject  
of Bio-Technology

  
Registrar

  
Vice-Chancellor

दिनांक } 6<sup>th</sup> September 2012  
Shimla

ATTESTED

  
Registrar

DAV University, Jalandhar

48

Roll No . 1968

# Punjab University



Doctor of Philosophy  
( In the faculty of Education )

Certified that Satish Sharma, Regd. No. 2004-ped-15,  
son of Shri Jati Ram Sharma, and of  
Himachal Pradesh, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2011.

REGISTERED

Registrar  
DAV University, Jalandhar

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

A. K. Bhandari  
Registrar



*Reshoo*  
Vice Chancellor

*Jati Ram*  
Chancellor

48





# कुरुक्षेत्र-विश्वविद्यालयः

(१९५६-राम-वर्षगत-राज्यविधायिका-अधिनियम-XII-द्वारा स्थापितः)  
(ए श्रेणी, नाक-प्रत्यायितः)

## डॉक्टर ऑफ़ फ़िलॉसॉफी

इदमत्र प्रमाणीक्रियते यत् राजीव कुमार श्री रघुवीर सिंह

महोदयस्य पुत्रः/पुत्री २०११ तमे संवत्सरे विज्ञान संकाय

तोऽस्य विश्वविद्यालयस्य भौतिक शास्त्र विषये

डॉक्टर ऑफ़ फ़िलॉसॉफी इत्युपाधिना समलङ्कृत/समलङ्कृता-इति।

अस्य/अस्याः शोध-प्रबन्धस्य विषयः “कुलॉम उत्तेजना की क्रिया विधि और आंकड़ों का विश्लेषण” इत्यासीत्।

# Kurukshetra University

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

## Doctor of Philosophy

*This is to certify that Rajiv Kumar son/daughter of Shri Raghuvir Singh  
and of the Faculty of Sciences*

*has been awarded the Degree of Doctor of Philosophy (Physics)  
of this University, in 2011.*

*The topic of his/her Thesis was "Analysis of Coulomb Excitation Mechanism and  
Data"*

ATTESTED

  
Registrar


AV University, Jalandhar

कुरुक्षेत्रे, तिथिः मई, १०, २०११  
Kurukshetra, Dated: May 10, 2011



  
कुलसचिवः  
Registrar

  
कुलपतिः  
Vice-Chancellor

  
कुलाधिपतिः  
Chancellor

51

Roll No . 1947

# Punjab University



DAV University, Jalandhar  
Registrar  
ATTESTED

Doctor of Philosophy  
( In the faculty of Science )

Certified that Tejinder Kaur, Regd. No. 99-z-23,  
daughter of Shri Dalip 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 2011.

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

Ressu  
Vice Chancellor

A. K. Bhandari  
Registrar



Self-attested  
Tejinder Kaur

Chancellor

Chandigarh, February, 10, 2011



Regd No.: 2005.BOT/A.25

Roll No.: 121

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

INDU SHARMA


VASU DEV SHARMA

son/daughter of

the degree of  
**Doctor of Philosophy**

in the faculty of

LIFE SCIENCES (BOTANY)

  
Registrar

  
Vice-Chancellor

  
Chancellor

Amritsar : January 31, 2012

ATTESTED

Registrar

DAV University, Jalandhar

113

# Michigan State University

Upon the nomination of the Faculty has conferred upon

Rupinder Sagal.

the Degree of

## Doctor of Philosophy

Biochemistry and Molecular Biology

Given under the Seal of the University at East Lansing in the  
State of Michigan on this sixteenth day of August, in the  
year Two Thousand and Twelve.

*John J. Pappas*  
Chancellor of the State of Michigan

*Lois Ann King*  
President of the University

94

NAV University, Jahandhar

Registrar

ATTESTED

Relayed  
2/12/13

नामांकन संख्या... जी.आर. 057824

Enrolment No. G.R.057824



## डॉक्टर ऑफ फिलासफी

प्रमाणित किया जाता है कि विकास शर्मा  
जैव प्रौद्योगिकी में इस विश्वविद्यालय की  
डॉक्टर ऑफ फिलासफी की उपाधि वर्ष 2012 में प्रदान की गयी।  
शोध प्रबन्ध का शीर्षक "इन विट्रो रीपिड मास मल्टीपलीकेशन एण्ड मॉलिक्यूलर  
वैलिडेशन ऑफ स्वेर्टिया चिरायिता"

### HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY Doctor of Philosophy

This is to certify that VIKAS SHARMA has  
been awarded the Degree of Doctor of Philosophy in BIO-TECHNOLOGY in  
this University in the year 2012.  
Title of Thesis "IN VITRO RAPID MASS MULTIPLICATION AND MOLECULAR  
VALIDATION OF SWERTIA CHIRAYITA"

हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय, श्रीनगर (गढ़वाल)  
H.N. BAHUGUNA GARHWAL UNIVERSITY, Srinagar (Garhwal)

दिनांक

Dated 16 SEP 2018

  
कुलपति

Vice Chancellor

**ATTESTED**  
  
Registrar  
DAV University, Jalandhar



பாரதியார் பல்கலைக் கழகம்  
Bharathiar University

அறிவியல் புலம்  
FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகத்தால் முறையாக அமைக்கப்பட்ட தேர்வாளர் குழு,  
மிர்த்தி சோலங்கி, 2012ஆம் ஆண்டு சனவரி 6ஆம் நாளில் கற்றுச்சுழல் அறிவியல்  
என்னும் பிரிவில் ஆய்வியல் அறிஞர் என்னும் பட்டம் பெறத் தகுதியடைந்திருப்பதாகச் சான்றளித்ததை  
ஏற்று அவருக்கு அந்தப் பட்டத்தைப் பல்கலைக் கழக குழு இலச்சிணையுடன்,  
பாரதியார் பல்கலைக் கழக ஆட்சிக்குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that PREETI SOLANKI  
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in ENVIRONMENTAL SCIENCES,  
having been certified by duly appointed Examiners to be qualified to receive the same on 6th JANUARY 2012.

*[Signature]*

Given under the Seal of the University.



கொயம்புத்தூர்  
Coimbatore  
நாள்

Dated: 10th August 2012

K. G. Senthilraj  
தேர்வாளரையர்

Controller of Examinations



*[Signature]*  
பதிவாளர்

Registrar

*[Signature]*  
துணைவேந்தர்

Vice-Chancellor

ATTESTED

*[Signature]*  
Registrar  
DAV University, Jalandhar

9

Cons No. 121570



भारतीय प्रौद्योगिकी संस्थान रुड़की

Enrollment No. 0792572

अभियन्ता की अनुष्ठान पर  
डॉक्टरे ऑफ़ फिलॉसफ़ी  
को उद्देश्य

मनवारी रानी

श्री. मनवारी रानी का अन्तिम विद्युत् विनियम विधि अध्यायों को सन् 2012 में सफलतापूर्वक पूरा कर लेना के, एनट्रान प्रश्न सगत हो  
एवं प्रत्यक्ष शोधक, स्टूडीय और डिप्टी प्रोफेसर, केंद्र कृष्णलक्ष्मी एण्ड थोरन पेस्टिसाइड्स  
संस्थान पर्यटन के अन्तर्गत रुड़की में आज, दिनांक 04 अगस्त 2012, संस्थान को मुद्रा अंकित यह उद्देश्य था।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confer the degree of

Doctor of Philosophy

पर

MANVIRI RANI

who had successfully completed in the year 2012 the requirements prescribed under the regulations for the award of this degree

Thesis Title: STUDIES ON DECAY PROFILES OF QUINALPHOS AND THIRAM PESTICIDES

Given this day, the 04<sup>th</sup> of August 2012, under the seat of the Institute of Roorkee in the Republic of India.

अध्यक्ष, आभियन्ता परिषद्  
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभियन्ता  
Director & Chairman, Senate

रजिस्ट्रार  
Registrar



ATTESTED

Registrar  
DAV University, Jalandhar



Roll No: 63

Regd No: BB.ECO/A 31

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

SATINDER KUMAR

son/daughter of

CHARANJIT KUMAR

the degree of  
**Doctor of Philosophy**

in the faculty of

**ECONOMICS & BUSINESS (ECONOMICS)**

  
Registrar

  
Vice-Chancellor

  
Chancellor

**ATTESTED**  
  
Registrar  
DAV University, Jalandhar

Amritsar: December 19, 2012

HOD of  
Lovely School of Management  
Lovely Faculty of Business



Roll No.: 39



Regd No.: 2005 BOT/A.30

# The Senate of GURU NANAK DEV UNIVERSITY

have conferred upon

ASHUTOSH SHARMA ✓

SATISH KUMAR SHARMA ✓

the degree of

**Doctor of Philosophy** ✓

LIFE SCIENCES (BIOTECHNOLOGY)

son/daughter of

NAV University, Jalandhar

Registrar

ATTESTED

in the faculty of

Registrar

Amritsar: September 16, 2013

Vice-Chancellor

Chancellor

Self attested

42

UNIVERSITY OF MYSORE

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor and Members of the Syndicate of the University of Mysore

do hereby certify that

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಮಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು ಹಾಗೂ ಸಿಂಡಿಕೇಟಿನ ಸದಸ್ಯರಾದ ನಾವು

**HARSHAVARDHAN REDDY A**

has been awarded the Degree of  
ಅವರು ನಿಗದಿತ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ

**DOCTOR OF PHILOSOPHY**

in

**BIOTECHNOLOGY**

ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

on being duly certified to have passed the prescribed examination.

ಪದವಿಯನ್ನು ಅವರಿಗೆ ಪ್ರಧಾನ ಮಾಡಲಾಗಿದೆಯೆಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇವೆ

Given under the seal of the University  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ



ATTESTED

Registrar

AV University Jalandhar

Date of Convocation 05/07/2013

ಘಟಿಕೋತ್ಸವದ ದಿನಾಂಕ

Mysore/ಮೈಸೂರು

Sl. No./ಕ್ರಮ ಸಂಖ್ಯೆ No

735



Self-attested  
Asses

Vice-Chancellor

ಕುಲಪತಿ

19

Book No. Ph.D./

ORIGINAL COPY

Govind Ballabh Pant 91  
University of Agriculture & Technology  
PANTNAGAR-263145 (U.S. Nagar) UTTARAKHAND  
(Formerly U.P. Agricultural University)



OFFICE OF THE REGISTRAR  
Provisional Degree Certificate

This is to certify that Sri/Km./Smt ..... Ashish Sharma .....  
Id. No. .... 34138 ..... has successfully completed the graduation  
requirements for the degree of Doctor of Philosophy with  
major ..... Plant Physiology ..... and  
Minor(s) ..... Microbiology .....  
of this University in the month of .... May 2013 ... with an Over-all  
Grade Point Average of .... 8.351 ... out of 10.000 (83.51% of marks).

Prepared by [Signature]  
Checked by [Signature]  
Dated 11-05-2013

[Signature]  
Dy. Registrar  
G. B. Pant University of Agric. & Tech  
Pantnagar - 263145 Uttarakhand, India

ATTESTED  
[Signature]  
Registrar  
at University, Jalandhar

क्रमांक / Serial No.

12298855

संकेत नं. / Enrollment No.

M- 9752398

संकेत / Roll No.

XXX

वीधरजी चरण सिंह विश्वविद्यालय, मेरठ



विद्या वाचस्पति

प्रमाणित किया जाता है कि इनाम मोहम्मद  
 आत्मज / आत्मजा श्री जमील अहमद एवं श्रीमती अनवरी  
 को इस विश्वविद्यालय के सन् २०१३ के दीक्षान्त समारोह में वनस्पति विज्ञान  
 विषय पर विद्या वाचस्पति की उपाधि प्रदत्त की गयी है।

DOCTOR OF PHILOSOPHY

This is to certify that INAM MOHAMMAD

Son/Daughter of Shri JAMEEL AHAMAD and Smt. ANVARI

has been conferred the Degree of **DOCTOR OF PHILOSOPHY**

of this University in BOTANY at the Convocation  
 of 2013

शीर्षक / Title ETHNOBOTANICAL STUDIES OF SOME SELECTED MEDICINAL  
 PLANTS OF SIWALIK RANGE OF DISTRICT SAHARANPUR AND  
 ADJOINING AREAS

Registrar  
 DAV University, Jalandhar





डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषद् की अनुशंसा पर

विद्या वाचस्पति की उपाधि एतद्द्वारा

सपना सेठी

को प्रदान करता है।

सोध-प्रबन्ध शीर्षक "इन्हेंसड स्टैबलाइजेशन ऑफ मुसिपल सॉलिड वेस्ट अंडर कंट्रोलड लिचेट रीसर्कुलेशन इन सिमुलेटेड लैंडफिल बायोरेक्टर" भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक प्रथम फरवरी 2013 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

SAPNA SETHI

Thesis title: "ENHANCED STABILIZATION OF MUNICIPAL SOLID WASTE UNDER CONTROLLED LEACHATE RECIRCULATION IN SIMULATED LANDFILL BIODREACTORS"

the First of February, 2013, under the seal of the Institute at Jalandhar in the Republic of India.

Handwritten signature and stamp of the Chairperson, Board of Governors

Handwritten signature and stamp of the Director & Chairman, Senate

Handwritten signature and stamp of the Registrar

NAU University, Jalandhar  
Registrar  
ATTESTED

ATC  
Handwritten initials

Roll No. 2595



# Punjab University

## Doctor of Philosophy

( In the faculty of Science )

DAV University, Jalandhar  
Registrar  
ATTESTED

Certified that Pushpinder Singh, Regd. No. 02-gl-297  
son of Shri Amarjit 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 2013

Given under the seal of the University

*P. Singh*  
Controller of Examinations

*[Signature]*  
Vice Chancellor  
*[Signature]*  
Chancellor

*A. K. Thandani*  
Registrar



*Pushpinder Singh*

Chandigarh, September, 6, 2013

545



The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

AKSHAY KUMAR

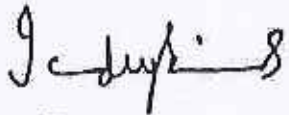
son/daughter of

KISHORI LAL

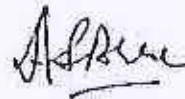
the degree of  
**Doctor of Philosophy**

in the faculty of

SCIENCES (CHEMISTRY)



Registrar



Vice-Chancellor



Chancellor

Amritsar : April 29, 2013

self attested  
Akshay Kumar  
27/05/2014

Guru Nanak Dev University, Jalandhar  
Registrar

ATTESTED

50

DAV University, Jalandhar

*Handwritten signature*

ATTESTED

Roll No.: 59



Regd No.: 2003/CH/A.32

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

ANUSH GUPTA

son/daughter of

MADAN LAL

the degree of  
**Doctor of Philosophy**

in the faculty of

SCIENCES (CHEMISTRY)

*Handwritten signature*

Registrar

*Handwritten signature*

Vice-Chancellor

*Handwritten signature*

Chancellor

Amritsar December 3, 2013

*Self Attested  
Anush Gupta*



# Punjab University



## Doctor of Philosophy

( In the faculty of Business Management & Commerce )

Certified that Gagandeep, Regd. No. 2003-ih-705,  
son of Shri Parshotam Dass, and of  
the Punjab State, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2013.

Given under the seal of the University

*P Singh*  
Controller of Examinations

*A. K. Bhatia*  
Registrar

Chandigarh, December, 11, 2013



*L. L. Singh*  
Vice Chancellor

*J. S. Singh*

Chancellor

*Gagandeep*  
13/12/2013

DAV University, Jalandhar  
Registrar  
ATTESTED

49

Serial No. 0039



Roll No. 08405205

12



डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषेक की अनुशंसा पर

विद्या वाचस्पति की उपाधि एतद्वारा

शरणजीत सिंह

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : "पारामिटेराइजेशन एण्ड कैरेक्टेराइजेशन ऑफ सेलेक्टिव लेजर सिंटेर्ड पार्ट्स"

भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक प्रथम फरवरी 2013 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR**

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

**SHARANJIT SINGH**

Thesis title: "PARAMETERIZATION AND CHARACTERIZATION OF SELECTIVE LASER SINTERED PARTS"

Given this day, the First of February, 2013, under the seal of the Institute at Jalandhar in the Republic of India.

अध्यक्ष, अमिषासक परिषद  
Chairperson, Board of Governors

Professor Sarbjit Singh  
Head  
निदेशक एवं अध्यक्ष, अभिषेक  
Director & Chairman, Senate  
Dept of Industrial & Production Engineering  
Dr. B R Ambedkar National Institute of Technology  
JALANDHAR - 144011

कुलसचिव  
Registrar

ATTESTED  
Registrar  
Dr. B R Ambedkar National Institute of Technology, Jalandhar



Sr. No. 378

Hall No. 2578

Regn. No. 2006-ped-14

**Panjab University, Chandigarh**

(Provisional Certificate)

**To WHOM IT MAY CONCERN**

This is to certify that Komal, Jain  
son/daughter of Shri N. K. Jain  
and of the Haryana  
has completed all the requirements for the award of the degree of Doctor of Philosophy  
of the Panjab University in the subject/Faculty of Physical Education/Education

He/She wrote his/her Ph.D. thesis entitled

EFFECTS OF PLYOMETRIC, RESISTANCE TRAINING AND THEIR  
COMBINATION ON THE FITNESS LEVEL AND PERFORMANCE OF  
BASKETBALL PLAYERS

under the supervision of Dr. Th. Nandalal Singh  
Dept. of Physical Education  
P.U., Chandigarh.

The degree will be conferred on him/her at the next convocation of the University.

Chandigarh

Dated: 8.7.2013

**ATTESTED**

Registrar

DAV University, Jalandhar

*(Parvinder Singh)*  
(Parvinder Singh)

Controller of Examinations

*(Signature)*  
ਪ੍ਰ. ਕੇ. ਜੈਨ  
ਸਹਾਇਕ-ਪੜ੍ਹਾਈ ਨਿਧਿ ਆਯੁਕਤ  
ਕਮਿਸ਼ਨਰੀ ਪੜ੍ਹਾਈ ਨਿਧਿ ਸੰਗਠਨ  
ਸ਼ਿਵ ਪੁਸ਼ਪ ਸੌਜਗਾਰ ਮੰਡਲ  
ਮੁਕਤ ਸਰਕਾਰ

Serial No. 0036



Roll No. 08413101

डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर

अभिषेक की अनुमति के  
विद्या कक्षस्थिति की सभाधि सभ्यता  
केशव बालिया

की प्रदान किया है।

संक्षेप-प्रस्ताव शीर्षक : "थिओरेटिकल इन्वेस्टिगेशन्स ऑफ़ सॉम नॉन-लिनियर फेनोमेना इन प्लास्मा"  
केशव बालिया को जनवरी 2013 में आयोजित प्रथम कक्षा की 2013 की सत्रात्मक की मुद्रा में प्रदान की गई।

**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR**


Upon the recommendation of the Senate hereby confers the degree of  
**Doctor of Philosophy**


on


**KESHAV WALIA**

Thesis title "THEORETICAL INVESTIGATIONS OF SOME NON-LINEAR PHENOMENA IN PLASMA"

Given this day, the First of February, 2013, under the seal of the Institute at Jalandhar in the Republic of India


  
अध्यक्ष, अभिषेक परिषद  
Chairperson, Board of Governors

  
निदेशक एवं अध्यक्ष, सभाधि  
Director & Chairman, Senate

  
रजिस्ट्रार  
Registrar

**ATTESTED**

  
Registrar  
**DAV University, Jalandhar**

  
**Dr Arvinder Singh**  
Professor  
Department of Physics  
Dr. B. R. Ambedkar  
National Institute of Technology  
Jalandhar-144011

भारतीय प्रौद्योगिकी संस्थान दिल्ली

प्रविष्टि संख्या/Entry No. 2008PH123050

अभिषद की अनुशंसा पर

विद्या वाचस्पति

की उपाधि

दलजीत कौर

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : सिन्थेसिस ऐण्ड स्टडी ऑफ स्ट्रक्चली टेलर्ड मैग्नेटिक नैनोवायर्स।  
भारतीय गणराज्य में दिल्ली स्थित संस्थान की मुद्रा अंकित यह उपाधि आज दिनांक 9 नवम्बर 2013 को प्रदान की गई।

Indian Institute of Technology Delhi

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

DALJIT KAUR

Thesis title : SYNTHESIS AND STUDY OF STRUCTURALLY TAILORED MAGNETIC NANOWIRES.  
Given this day, the 9<sup>th</sup> of November 2013, under the seal of the Institute at Delhi in the Republic of India.

ATTESTED

Registrar

DAV University, Jalandhar



*Daljit Kaur*  
अध्यक्ष, अभिषदक परिषद  
Chairman, Board of Governors

*[Signature]*  
अध्यक्ष, अभिषद एवं निदेशक  
Chairman, Senate & Director

*[Signature]*  
मुख्यालय  
Registrar

(29)

University, Jalandhar

Registrar

ATTESTED

Roll No. 2593

# Punjab University



## Doctor of Philosophy

( In the faculty of Science )

Certified that Anil, Regd. No. 2003-z-33,  
son of Shri Ram Chander, and of  
the Haryana State, has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2013.

Given under the seal of the University

*Pr Singh*  
Controller of Examinations



*Dr. L. S. Singh*  
Vice Chancellor  
*Dr. L. S. Singh*  
Chancellor

A. K. Dhanraj  
Registrar

Roll No.: 95



Regd No.: 2010.Ph.D(BT)-02

DAV University, Jalandhar  
Registrar  
ATTESTED

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

RAHUL KUMAR

son/daughter of

RAJENDRA SINGH

the degree of  
**Doctor of Philosophy**

in the faculty of

LIFE SCIENCES (BIOTECHNOLOGY)

Registrar

Vice-Chancellor

Chancellor

Amritsar: February 28, 2014

self attested  
  
22/2/14



विश्वविद्यालय के प्रतीकाधीन प्रदा  
Given under the seal of the University

श्री० नरवण कुमर

### हिमाचल प्रदेश कृषि विश्वविद्यालय

विद्वत् परिषद् की संस्तुति पर

सुमित दक्षिष्ठ

को

विज्ञान वाचस्पति

(कीट विज्ञान)

की उपाधि के लिए अयोजित पाठ्यक्रम का १८.०३.२०१४ को सफल पानण करने  
उ.१६/१०.०० सम्मन्वयित नम्यमान अंक अर्जित करने पर उक्त उपाधि प्रदान की जाती है।

Ch. Surivan Kumar

### Himachal Pradesh Krishi Vishwavidyalaya

on the recommendation of the

Academic Council hereby confers upon

Sunit Daxisth

the degree of

Doctor of Philosophy

(Entomology)

having successfully completed on 18.03.2014 all the requirements for the  
degree with an overall credit point average of 7.16/10.00

पठारपुर (हिमाचल प्रदेश)  
Palampur (Himachal Pradesh)  
दिनांक  
The 13th Nov., 2014

*Rattan Kumar*  
कुल सचिव  
Registrar

*Ksalob*  
कुलपति  
Vice-Chancellor

*Self Attested*  
*[Signature]*

**ATTESTED**  
*[Signature]*  
Registrar

PAV University, Jalandhar



# Punjab University

Roll No. 2082

32



Doctor of Philosophy  
( In the faculty of Science )

Certified that Mamta Regd. No. 99-wc-907  
daughter of Shri Satish Kumar and of  
Chandigarh (Union Territory), has obtained the degree of Doctor of Philosophy  
of this University on the result of the examination held in 2011

Given under the seal of the University

A. K. Bhandari  
Controller of Examinations

A. K. Bhandari  
Registrar

*[Handwritten Signature]*  
20/9/11



*[Handwritten Signature]*  
Vice Chancellor

*[Handwritten Signature]*  
Chancellor

Chandigarh, September, 15, 2011

DAV University, Jalandhar

Registrar

ATTESTED

Guru Nanak Dev University, Jalandhar

Registrar

ATTENDED

Roll No.: 94

Regd No.: ZOO1.BOT/A 17



The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

VIKAS

son/daughter of

LEKHRAJ SHARMA

the degree of  
**Doctor of Philosophy**

in the faculty of

**LIFE SCIENCES (BIOTECHNOLOGY)**

Registrar

Vice-Chancellor

Chancellor

Amritsar February 28, 2014

Self attested



Roll No.: 71001400012

Regd No.: 97.SDJ/A.692

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

REKHA HANDA

son/daughter of

VIJAY BHARAT HANDA

the degree of  
**Doctor of Philosophy**

in the faculty of

ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)

Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Amritsar : June 17, 2014

Rekha Handa

NAV University, Jalandhar

ATTESTED

Registrar

556



Enrolment No. : 08119

श्रीरघु OM

# गुरुकुल काँगड़ी विश्वविद्यालय, हरिद्वार, भारत

Gurukula Kangri Vishwavidyalaya, Haridwar, India



## विद्यावाचस्पतिः

इदं प्रमाणीक्रियते यत् श्री/सुश्री अनिता अबरोल पुत्रः/पुत्री श्री रोशन लाल अबरोल प्रस्तुतः शोधप्रबन्धः २०१४ तमे ख्रीष्टाब्दे प्रतिज्ञातः। तदर्थं अस्मै/अस्यै गुरुकुल-काँगड़ी-विश्वविद्यालयेन अंग्रेजी साहित्य-विषये विद्यावाचस्पति-उपाधिः प्रदीयते। अस्य शोध-प्रबन्धविषयः "एग्जिस्टेंसियलिज्म इन द प्लेज ऑफ हेरोल्ड पिंटरः"

## DOCTOR OF PHILOSOPHY

This is to certify that Mr./Ms. ANITA ABROL Son/Daughter of Shri ROSHAN LAL ABROL has been admitted to the degree of Doctor of Philosophy of Gurukula Kangri Vishwavidyalaya in ENGLISH LITERATURE in the year 2014. The degree of DOCTOR OF PHILOSOPHY is hereby conferred on his/her under the seal of Vishwavidyalaya. The title of his/her thesis was : Existentialism in the Plays of Harold Pinter.

  
कुलाधिपतिः  
Chancellor

  
कुलपतिः  
Vice-Chancellor

  
कुलसचिवः  
Registrar

हरिद्वारम् / Haridwar  
दिनांकः / Date  
06 FEB 2015



प्रमानं प्रमदितव्यम् ॥



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH (IISER) MOHALI  
Punjab, India  
(Established by the Ministry of Human Resource Development, Govt. of India)

## Provisional Certificate

Registration No. PH08018

Certified that Shelly Garg has fulfilled the requirements for the degree of Doctor of Philosophy at IISER Mohali and her thesis entitled, "*Perspectivity of modules and some additive decompositions of elements in rings*" has been accepted for the award of PhD degree on December 01, 2014.

The degree will be awarded to the candidate at the next Convocation of the Institute.

Place: Mohali.  
Date: December 05, 2014

Self Attested  
Shelly Garg  
11/12/2014  
Attached True copy  
Date

09-12-2014  
Chanchal Kumar  
Dean of Academics  
Indian Institute of Science Education  
& Research (IISER) Mohali

Dean Academics

ATTESTED

Registrar  
DAV University, Jalandhar

62

48



# NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (HP)-177 005.

## NOTIFICATION

On the recommendation of the Ph. D. Oral Examination Board, the Director-cum-Chairman, Senate, NIT, Hamirpur, in exercise of the powers vested in him by the Board of Governors, NIT, Hamirpur (Himachal Pradesh), under the provisions of NIT Act- 2007 is pleased to accept the Thesis of Mr. DEEPAK GROVER for the award of degree of "DOCTOR OF PHILOSOPHY" in the subject/faculty shown against his name and has declared him eligible for the award of "DOCTOR OF PHILOSOPHY IN MATHEMATICS" of this Institution: -

Sr.No.	Name of the candidate & Regn.No.	Name of Supervisor	Department	Title of the Thesis	Date of approval of the Chairman Senate
1.	Mr. DEEPAK GROVER 2k9-Ph.D.-Maths-63	Dr.J.N.Sharma, Professor-in- Mathematics	Mathematics	MATHEMATICAL MODELLING AND ANALYSIS OF WAVES IN THERMOELASTIC CONTINUA	March,2014

*sket*

Dean (Academics),  
NIT, Hamirpur.

*Rajiv*

28/3/14  
DIRECTOR-cum-CHAIRMAN,  
SENATE, NIT, Hamirpur(HP)

Endstt; No. NIT/HMR/Ph.D./Acad/PF-29/2014/17503-53

Dated: 28/3/14

- Copy to: -
- Concerned student (Mr. Deepak Grover S/o Sh.Surender Kumar, H.No.1714/9, Hisar Road, Meham (Rohtak)-124112.
  - The Secretary, UGC, Bahadur Shah Zafar Marg, New Delhi-110 002.
  - The Registrars of all the NITs. in India.
  - The Editor, University News, AIU House, 16- Kotla Marg, New Delhi.
  - Head, Department of Mathematics, NIT, Hamirpur.
  - All HODs. in NIT, Hamirpur.
  - Dr. J.N.Sharma, Professor and Supervisor, Mathematics, NIT, Hamirpur (HP)
  - Librarian, NIT, Hamirpur (HP).

*sket*  
28.3.14

Dean (Academics),  
NIT, Hamirpur (HP).

ATTESTED

*[Signature]*  
Registrar

DAV University, Jalandhar

Self Attested  
*[Signature]*



# राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

एतद्वारा मेकेनिकल इंजीनियरिंग में  
**डॉक्टर ऑफ फिलॉसफी**  
की उपाधि राजेश खन्ना

पुत्र/पुत्री श्री विनोद कुमार खन्ना को प्रदान करता है,  
जिसके शोध विषय का शीर्षक "परफोरमेंस अनेलिसिस ऑफ वायर इलेक्ट्रिकल डिस्चार्ज मशीनिंग  
युजिंग डिजाइन ऑफ अक्सपेरिमेंट्स" है।

यह मुद्रित उपाधि ७ मार्च, २०१४ को प्रदान की गई।  
**National Institute of Technology**  
**Kurukshetra**

*hereby confers the degree of*  
**Doctor of Philosophy**  
*in Mechanical Engineering*  
*on Rajesh Khanna*

*son/daughter of Shri Vinod Kumar Khanna*

*the title of his/her thesis is "Performance analysis of Wire Electrical  
Discharge Machining Using Design of Experiments"*

*Given this day, the 7<sup>th</sup> March of 2014 under the seal of the Institute.*

*Registrar*  
कुरुक्षेत्र  
Registrar

**ATTESTED**

*Director*  
निदेशक  
Director

*Chairman*  
अध्यक्ष, निदेशक मंडल  
Chairman, Board of Governors

Registrar

DAV University, Jalandhar

Roll No.: 124



Regd No.: 2002.PHY/A.51

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

SANDEEP KUMAR

Son/Daughter of

KARAM CHAND

the degree of  
**Doctor of Philosophy**

in the faculty of

SCIENCES (PHYSICS)

Registrar

Vice-Chancellor

Chancellor

Amritsar : March 6, 2014

DAV University, Jalandhar

Registrar

ATTESTED





# Thapar University, Patiala

(Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956)

## Doctor of Philosophy

Certified that Gurmeet Singh son of  
Shri Manjit Singh & Smt. Balvinder Kaur

has obtained the Degree of Doctor of Philosophy on his having successfully completed the prescribed requirements  
for the said degree in February 2014

The title of his thesis is :

Multiferroism in Multifunctional Rare Earth Metals-Doped BiFeO<sub>3</sub> Nanostructures

Given this day under the seal of the University at Patiala, the Tenth day of November, Two Thousand and Fourteen

*And*  
Registrar

*Approved by*  
Director



Roll No. 2841

# Punjab University

## Doctor of Philosophy

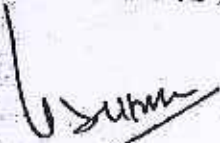
( In the faculty of Science )



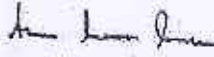
Certified that Mamta Rani, Regd. No. 07-phy-58  
 daughter of Shri Satish Kumar, and of  
Punjab State, has obtained the degree of Doctor of Philosophy  
 of this University on the result of the examination held in 2014

Given under the seal of the University

  
 Controller of Examinations

  
 Registrar



  
 Vice Chancellor

  
 Chancellor

Chandigarh, July, 17, 2014

7561

ATTESTED



Roll No. 2875

# Punjab University

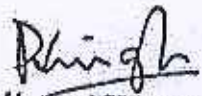


## Doctor of Philosophy

( In the faculty of Science )


Certified that  
 daughter of Shri Rama Gupta, Regd. No. 07-phy-64  
 the Punjab State Amar Chand Gupta, and of  
 of this University on the result of the examination held in 2014

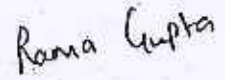
Given under the seal of the University

  
 Controller of Examinations

  
 Registrar



  
 Vice Chancellor

  
 Rama Gupta

  
 Chancellor

Chandigarh, August, 29, 2014



*This is to certify that  
Girish Kumar  
Son of  
Shri Harwaldar Singh  
and  
Smt. Lalmati Devi*

*of Department of Marine Science  
has been conferred with the degree of*

**Doctor of Philosophy**

*at the 26th Annual Convocation having passed  
the qualifying examination held in July, 2013  
in Marine Science*

*Given under the seal of this University*

*Self Attested  
Girish Kumar*

Panaji - Goa

7th January, 2014



*S. R. Schettye*  
Vice-Chancellor

ATTESTED

*[Signature]*  
Registrar

DAV University, Jalandhar

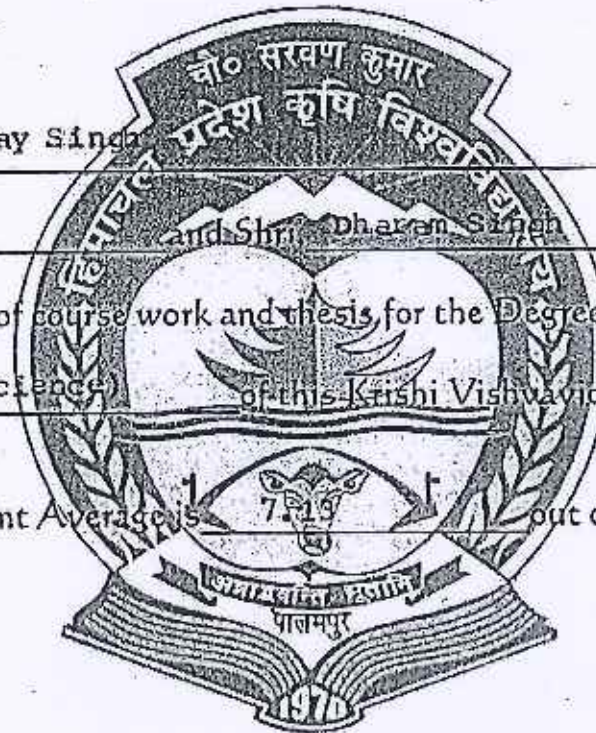
Serial No...2382...

Admission No.....

A-2010-40-07

**CSK HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA**  
**PALAMPUR, H.P. 176062**

**Provisional Degree Certificate**



This is to certify that Vijay Singh Son/Daughter of  
 Smt. Simro Devi and Shri. Dharam Singh has successfully  
 completed the requirements of course work and thesis for the Degree of Doctor of Philosophy  
in Agriculture (Soil Science) of this Krishi Vishwavidyalaya on 05.01.2015

His/Her Overall Credit Point Average is 7.19 out of 10.00 with 71.30  
 percent marks.

PALAMPUR

Dated: 19 MAR 2015

*Rattan Pantam*

REGISTRAR

DAV University, Jalandhar

Registrar

ATTESTED

*Self Attested  
Vijay*

Serial No. 6391

Admission No. 2011A21D

**CHAUDHARY CHARAN SINGH**  
**HARYANA AGRICULTURAL UNIVERSITY, HISAR**  
(Established by Parliament Act No. 16 of 1970)

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**PROVISIONAL DEGREE CERTIFICATE**

It is certified that **Akshay Kumar Vats** son of **Shri Naresh Kumar Vats** and **Smt. Poonam Vats** has successfully completed the requirements of course work and thesis for the Degree of **Doctor of Philosophy** in the discipline of **Genetics & Plant Breeding** in **October, 2015**. His/Her Overall Grade Point Average is **7.32** (10.00 basis), which is equivalent to **73.20%** marks (**1<sup>st</sup> Division**).

Place: Hisar (India)  
Date : 15.10.2015

*R. Phayam*  
Assistant Registrar (PGS)

Valid only up to the award of Degree or dissertation. Please insert upon production of Degree after one year of the date of issue of this Provisional Degree Certificate.

**ATTESTED**  
*[Signature]*  
Registrar  
DAV University, Jalandhar

*Self  
attested  
Dadar*

Reg No. PH09022



विद्वत्-परिषद् की अनुशंसा पर  
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली  
का  
शासक मण्डल  
करन पाल

को  
वांछनीय योग्यता प्राप्त कर लेने पर

डॉक्टर ऑफ फिलॉसफी

की उपाधि प्रदान करता है।

मोहाली में वर्ष दो हजार पंद्रह के मई माह के उनतीसवें दिन प्रदत्त।

*The Board of Governors*  
of the

*Indian Institute of Science Education and Research Mohali*  
upon the recommendation of the Academic Senate hereby confers on

*Karan Paul*

the Degree of


*Doctor of Philosophy*

on having fulfilled the requirements.

*Given at Mohali on the twenty ninth day of May two thousand and fifteen*

  
Chairman  
Board of Governors

  
Registrar

  
Chairman  
Academic Senate

  
**ATTESTED**  
Registrar  
DAV University, Jalandhar

144

Sl. No. 2015/10/030



वैज्ञानिक और नवीकृत अनुसंधान अकादमी  
ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH

UPON THE RECOMMENDATION OF THE FACULTY  
CERTIFIES THAT

*Ms. Praveen Guleria*

WAS AWARDED THE DEGREE OF

DOCTOR OF PHILOSOPHY IN SCIENCE

ON 15.12.2014 IN RECOGNITION OF SCIENTIFIC ACCOMPLISHMENTS AND THE CAPABILITY TO CARRY ON RESEARCH  
DEMONSTRATED BY COMPLETION OF A THESIS BEARING THE TITLE

Functional Evaluation of Steviol Glycoside Biosynthesis Genes from *Stevia rebaudiana* by Combined Approach of Gene Silencing and Overexpression

AT CSIR-Institute of Himalayan Bioresource Technology, Palampur

THE DEGREE WAS CONFERRED ON HER ON 15<sup>th</sup> DECEMBER 2014

*[Signature]*  
Director

ACSIR

*[Signature]*  
Chancellor

*Praveen*  
16/5/18

DAV University, Jalandhar

Registrar

ATTESTED



NITJ/Adad/4096 dated - 06/05/2015



डा. बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर  
Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

On the recommendations of the Ph. D. Open House Viva-Voce Committee, the Director-cum-Chairman, Senate, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (Punjab) in exercise of the powers vested on him/her by the Board of Governors, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (Punjab) under the provisions of NIT Act-2007 is pleased to accept the thesis of Ms Saruchi for the award of degree of DOCTOR OF PHILOSOPHY in the subject/faculty shown against his/her name and has declared him/her eligible for the award of DOCTOR OF PHILOSOPHY of this Institution:-

Registration No./Roll No.	Name of the Research Scholar	Father's Name	Title of the Thesis	Name & Address of the Research Supervisor(s)	Discipline	Date of Approval	CGPA of Course Work
09411103	Ms Saruchi	Sh Raj Gopal Sharma	Chemical and Enzymatic Synthesis of Gum Tragacanth Based Biodegradable Hydrogels and Their Applications as Controlled Drug Delivery Devices	i) Dr B S kaith . Professor Department of Chemistry NIT, Jalandhar ii) Dr Rajiv Jindal Associate Professor . Department of Chemistry NIT, Jalandhar iii) Dr G S Kapur, Chief Research Manager ( Petrochemical & Polymers) Indian Oil Corporation Limited Reserch & Development Centre Sector 13, Faridabad - 121007 (Haryana)	Chemistry	28.04.2015	7.62

Director-cum-Chairman (Senate)

dated :- 11/05/2015

Dean, Academic

Endst. No. NITJ/DA/386-406

Copy to:-

1. Concerned Students.
  2. The Secretary, UGC, Bahadur Shah Zafar Marg, New Delhi-110002.
  3. The Registrars of all the NITs in India.
  4. The Editor, University News, AIU House, 16 Kotla Marg, New Delhi.
  5. Head, Department of Chemistry, NIT Jalandhar.
  6. All HODs in NIT Jalandhar.
  7. Supervisor(s).
  8. Librarian, NIT Jalandhar.
- Correspondents of Newspapers for their kind information and with a request to publish it as news item free of cost.

Dean, Academic



Regd No.: 2004.KJ/A.1008

Roll No.: 71001500049

# The Senate of GURU NANAK DEV UNIVERSITY

have conferred upon

RAKESH KUMAR

SATISH KUMAR

son/daughter of

the degree of  
Doctor of Philosophy

LIFE SCIENCES (BOTANY)

the faculty of

*[Signature]*  
Professor Incharge (Examinations)

*[Signature]*  
Registrar

*[Signature]*  
Vice Chancellor

*[Signature]*  
Chancellor

Amritsar : August 10, 2015

*Self Attested*

*[Signature]* 21/7/15

**ATTESTED**

*[Signature]*  
Registrar  
DAV University, Jalandhar

558

No. 0074



# डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषद् की अनुशंसा पर  
विद्या वाचस्पति की उपाधि एतद्द्वारा  
राकेश कुमार  
को प्रदान करता है।

संक्षेप शीर्षक : "सिंथेसिस, स्ट्रक्चर ऐण्ड कंप्यूटेशनल स्टडीज ऑफ कॉपर (II), सिल्वर (I) ऐण्ड लैन्थेनियम (III) विथ एन, एन, एन'एन'-टेक्वाकिस (2-हाईड्रोक्सिइथाईल/प्रोपाईल) इथाईलबेनडाईएमाईन ऐण्ड ट्रिस (2-हाईड्रोक्सिइथाईल) एमाईन लिगेण्ड्स हैविंग ऐण्टीमाइक्रोबियल ऐक्टिविटी"

भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक चार अप्रैल 2015 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

## Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of  
**DOCTOR OF PHILOSOPHY**

on  
**RAKESH KUMAR**

thesis title: "SYNTHESIS, STRUCTURE AND COMPUTATIONAL STUDIES OF COPPER(II), SILVER(I) AND LANTHANUM(III) COMPLEXES WITH N,N,N',N'-TETRAKIS(2-HYDROXYETHYL/PROPYL) ETHYLENEDIAMINE AND TRIS(2-HYDROXYETHYL)AMINE LIGANDS HAVING ANTIMICROBIAL ACTIVITY"

Given this day, the Fourth of April, 2015, under the seal of the Institute at Jalandhar in the Republic of India.

अध्यक्ष, अभिषासक परिषद्  
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्  
Director & Chairman, Senate

Self attested  
by  
Rakesh Kumar  
13/7/2015

कुलसचिव  
Registrar



University, Jalandhar  
Registrar

Roll No. 4082



# Punjab University



Doctor of Philosophy

( In the faculty of Science )

Certified that *Hiteshwari Sabrol* , Regd. No. *2012-ez-100* ,  
daughter of Shri. *Ashoka Sabrol* , and of the *Punjab State* , has obtained  
the degree of Doctor of Philosophy of this University on the result of the  
examination held in *2018* .

Given under the seal of the University

Controller of Examinations

Registrar



Vice Chancellor

Chancellor

Sealed on 7 May, 2018

ATTESTED

Registrar

DAV University, Jalandhar

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ  
**Punjab Technical University**

Jalandhar



**Doctor of Philosophy**

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Manik Sharma Son/Daughter of Sh. Kewal Krishan Sharma Degree of Doctor of Philosophy in the faculty of COMPUTER APPLICATIONS in October-2015. The subject on which He/She presented the thesis for the Degree was " DESIGN AND ANALYSIS OF DSS QUERIES IN DISTRIBUTED DATABASE SYSTEM USING GENETIC APPROACH. "

**ATTESTED**  
*[Signature]*  
Registrar  
P.T.U. University, Jalandhar

Given under the seal of the University

*[Signature]*  
*[Signature]*

ਰਜਿਸਟਰਾਰ  
Registrar  
Jalandhar, 10-05-2016

*[Signature]*  
ਵਾਈਸ-ਚਾਂਸਲਰ  
Vice-Chancellor

*[Signature]*  
ਚਾਂਸਲਰ  
Chancellor



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विद्वत्-परिषद् की अनुशंसा पर  
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली  
का

शासक मण्डल

अजय कुमार

को

वांछनीय योग्यता प्राप्त कर लेने पर

डॉक्टर ऑफ फिलॉसफी

की उपाधि प्रदान करता है।

मोहाली में वर्ष दो हजार पंद्रह के मई माह के उनतीसवें दिन प्रदत्त।

*The Board of Governors*

*of the*

*Indian Institute of Science Education and Research Mohali*

*upon the recommendation of the Academic Senate hereby confers on*

*Ajay Kumar*

*the Degree of*

*Doctor of Philosophy*

*on having fulfilled the requirements.*

*Given at Mohali on the twenty ninth day of May two thousand and fifteen*

*Self Attested  
Ajay Kumar  
09/04/2018*

*[Signature]*  
Chairman  
Board of Governors

*[Signature]*  
Registrar

ATTESTED

*[Signature]*  
Registrar  
DAV University, Jalandhar

*[Signature]*  
Chairman  
Academic Senate

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# राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

एतद्वारा मेकेनिकल इंजीनियरिंग में  
डॉक्टर ऑफ फिलॉसफी

की उपाधि महेन्द्र पाल गर्ग

पुत्र/पुत्री श्री हंस राज गर्ग को प्रदान करता है, जिसके शोध विषय का शीर्षक  
"ऑप्टिमाइजेशन ऑफ प्रोसेस पैरामीटर्स फॉर वायर इलेक्ट्रिक डिस्चार्ज मशीनिंग आफ टाइटेनियम  
६-२-४-२ एलाय" है।

यह सुदृष्ट उपाधि २६ मार्च, २०१५ को प्रदान की गई।

**National Institute of Technology  
Kurukshetra**

*hereby confers the degree of*

**Doctor of Philosophy**

*in Mechanical Engineering*

*on Mohinder Pal Garg*

*son/daughter of Shri Hans Raj Garg*

*the title of his/her thesis is "Optimization of Process Parameters for Wire Electric  
Discharge Machining of Titanium 6-2-4-2 Alloy"*

*Given this day, the 26<sup>th</sup> March of 2015 under the seal of the Institute.*

कुलसचिव  
Registrar

निदेशक  
Director

अध्यक्ष, निवापक मण्डल  
Chairman, Board of Governors

ATTESTED

Registrar  
University, Jalandhar



विद्यत-परिषद् की अनुशंसा पर  
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

का  
शासक मण्डल

सुखदीप कुमार

को

वांछनीय योग्यता प्राप्त कर लेने पर

डॉक्टर ऑफ फिलॉसफी

की उपाधि प्रदान करता है।

मोहाली में वर्ष दो हजार सोलह के मई माह के चौबीसवें दिन प्रदत्त।

*The Board of Governors*

*of the*

*Indian Institute of Science Education and Research Mohali*

*upon the recommendation of the Academic Senate hereby confers on*

*Sukhdeep Kumar*

*the Degree of*

*Doctor of Philosophy*

*on having fulfilled the requirements.*

*Given at Mohali on the twenty fourth day of May two thousand and sixteen*

N. S. S.  
Chairman  
Board of Governors

Registrar

N. S. S.  
Chairman  
Academic Senate

ATTESTED

Registrar  
DAV University, Jalandhar

Attested



क्र.सं. - 2053

शुलिनी बायोटेक्नोलॉजी एवम् मैनेजमेंट साइंसिज विश्वविद्यालय  
Solan, Himachal Pradesh  
(Established by H.P. Govt. Vide Act No. 20 of 2009)  
डॉक्टर ऑफ फिलॉसफी

Shoolini University of Biotechnology and Management Sciences  
Solan, Himachal Pradesh  
(Established by H.P. Govt. Vide Act No. 20 of 2009)  
Doctor of Philosophy


प्रमाणित किया जाता है कि मोहित शर्मा  
पुत्र/पुत्री श्रीमान एवन कुमार शर्मा एवम् श्रीमती कमलेश शर्मा;  
ने इस विश्वविद्यालय से फॅक्टरी ऑफ एप्लाइड साइंसिज एंड  
बायोटेक्नोलॉजी से १९ नवंबर, २०१६ को डॉक्टर ऑफ फिलॉसफी  
की उपाधि प्राप्त की है।

Shoolini  
University  
Solan, Himachal Pradesh  
Date: November 07, 2017

Certified that Mohit Sharma  
son / daughter of Shri Ewan Kumar Sharma and Smt. Kamlesh Sharma,  
of the Faculty of Applied Sciences and Biotechnology  
has obtained the degree of Doctor of Philosophy  
from this University on November 19, 2016.

शीसिस का विषय : आइसोलेशन एण्ड कैरेक्टाइजेशन ऑफ हाइपोबिरुलेंस  
एसोसिएटेड माइक्रोवॉयरस फ्रॉम फुसैरियम स्पेसीज आइसोलेटेड  
फ्रॉम एपल आर्चर्ड्स ऑफ हिमाचल प्रदेश।

Title of Thesis : Isolation and Characterization of Hypobirulence  
Associated Microvirus from Fusarium Species  
Isolated from Apple Orchards of Himachal Pradesh.

  
नुरुशियर

  
Vice-Chancellor

  
Chancellor

COPY COPY COPY

010/0000000000



ATTESTED

Registrar

DAV University, Jalandhar



Roll No.: 71001500111

Regd No.: 2004.SB/A.540

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

GOPAL SINGH

son/daughter of

BIHARI LAL

the degree of  
**Doctor of Philosophy**

in the faculty of

SCIENCES (CHEMISTRY)

Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Amritsar : February 24, 2016

DAV University, Jalandhar

Registrar

ATTESTED



Roll No.: 71001500118

Regd No.: 2009-2014-463

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

GARTHA BALKHA

son/daughter of

CHANDER MOHAN BALKHA

the degree of

**Doctor of Philosophy**

in the faculty of

**ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)**

*[Signature]*

Professor Incharge (Examinations)

*[Signature]*

Registrar

*[Signature]*

Vice Chancellor

*[Signature]*

Chancellor

Amritsar : March 2, 2016

ATTESTED  
Registrar  
Guru Nanak Dev University, Jalandhar

*[Signature]*  
11/4/3/2016



Roll No.: 71001600051

Regd No.: 2001.36X/A.402

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

IVOTI

son/daughter of

PREM SINGH

the degree of  
**Doctor of Philosophy**

in the faculty of

ECONOMICS & BUSINESS (COMMERCE)

Professor Incharge (Examinations)  
Amritsar : October 18, 2016

Registrar

Vice Chancellor

Chancellor

1

**ATTESTED**

Registrar

DAV University, Jalandhar

सही नं: Serial/ B N<sup>o</sup> 10527

Roll No. 3107

Registration No. PU(P)2006-641

# Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

## Doctor of Philosophy

Certified that Sanjeev Kumar Sharma, son/daughter  
of Shri Nand Kishore Sharma and Smt. Sarla Sharma,  
of Dept. of Computer Science, Punjabi University, Patiala  
has this day been admitted by the Senate in the degree of

## Doctor of Philosophy

on  
A Punjabi Grammar Checker for  
Compound and Complex Sentences

in the faculty of

Physical Sciences

Given under the seal of the University.

M/S Jia  
DECSM NOTE 9 PRO  
PATIALA QUAD CAMERA

V. P. Singh  
CHANCELLOR  
ATTESTED

S. B. Singh  
VICE-CHANCELLOR  
2022/3/13 18:14

Registrar  
DAV University, Jalandhar



Roll No.: 71001500101

Regd No.: 2003.DC/A.439

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

NAKUL KUNDRA

son/daughter of

NARESH KUMAR

the degree of  
**Doctor of Philosophy**

in the faculty of

LANGUAGES (ENGLISH)

Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Date: January 15, 2016

ATTESTED  
  
Registrar  
DAJ University, Jalandhar

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

Upon recommendation of the Senate hereby confers the degree of  
**Doctor of Philosophy**

on

**SARIKA VERMA**

Daughter of Sh. MAHINDER KUMAR

THESIS TITLE : **PROPERTIES OF SOME INTEGRAL OPERATORS INVOLVING ANALYTIC FUNCTIONS**

Given this day, the 13<sup>th</sup> February, 2016, under the seal of the Institute at Longowal in the Republic of India.

**संत लौगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान**

अभिषेक की अनुशंसा पर  
**विद्या वाचस्पति**

की उपाधि एतद द्वारा

**सारिका वर्मा**

सुपुत्री श्री महिन्द्र कुमार  
 को प्रदान करता है।

*[Signature]*  
 10057  
**(Dr. Sarika Verma)**

शोध प्रबन्ध शीर्षक : **प्रॉपर्टीज ऑफ सम इंटीग्रल ऑपरेटर्स इन्वाल्विंग ऐनालिटिक फंक्शन्स**

10057

तेरह फरवरी सन् दो हजार सोलह को भारतीय गणराज्य के अधीन लौगोवाल में स्थित संस्थान की मुद्रा अंकित यह उपाधि प्रदान की गयी।

DAV University, Jalandhar

Registrar

ATTESTED

*[Signature]*  
**Bansal**  
 कलेक्टर  
 Registrar

*[Signature]*  
 निदेशक एवं अध्यक्ष, अभिशासक परिषद  
 Director & Chairman, Senate

*[Signature]*  
 अध्यक्ष, प्रबंध मंडल  
 Chairman, Board of Management



9/10/16

Serial No. 553739

Registration No. PMA/1004

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

Upon recommendation of the Senate hereby confers the degree of  
**Doctor of Philosophy**

on

**RAJ KUMAR**

Son of Sh. SUKHDEV KUMAR

**THESIS TITLE : CONVOLUTION PROPERTIES OF SOME UNIVALENT HARMONIC FUNCTIONS**

Given this day, the 13<sup>th</sup> February, 2016, under the seal of the Institute at Longowal in the Republic of India.

**संत लौगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान**

अभिषेक की अनुशंगा पर

**विद्या वाचस्पति**

की उपाधि एतद् द्वारा

**राज कुमार**

सुपुत्र श्री सुखदेव कुमार

को प्रदान करता है।

शोध प्रबन्ध शीर्षक : कान्वल्यूशन प्रॉपर्टीज ऑफ सम यूनिवैलेन्ट हार्मोनिक फंक्शन्स

तेरह फरवरी सन् दो हजार सोलह को भारतीय गणराज्य के अधीन लौगोवाल में स्थित संस्थान की मुद्रा अंकित यह उपाधि प्रदान की गयी।

DAV University, Jalandhar  
Registrar  
ATTESTED

*Bansal*  
कुल सचिव  
Registrar

*Dr. Jain*  
निदेशक एवं अध्यक्ष, अभिषेक परिषद  
Director & Chairman, Senate

*Sharma*  
अध्यक्ष, प्रबंधन मंडल  
Chairman, Board of Management



84



Roll No. 3519



# Panjab University



## Doctor of Philosophy

( In the faculty of Science )

Certified that Suraj Goyal, Regd. No. 07-tc-63, son of  
Shri. Rakesh Goyal, and of the Punjab State, has obtained the degree of  
Doctor of Philosophy of this University on the result of the examination held in  
2016

Given under the seal of the University

Controller of Examinations

Registrar

andigarh, October, 24, 2015



Vice Chancellor  
  
Chancellor

ATTESTED

Registrar

DAV University, Jalandhar

Admission No. T-2012-22-D

Dr Dushwant Singh Parmar University of  
Horticulture and Forestry

on the recommendation of the Academic Council and the Board of  
Management hereby confers upon Rashmi Sharma  
son/ daughter of Shri Kamlesh Chander Sharma the degree of

Doctor of Philosophy

Microbiology

having successfully completed on 28.06.2016, all the requirements for  
the same with an Overall Grade Point Average of 8.11/10.00.



Solan  
(Himachal Pradesh) INDIA  
Dated : 06.03.2017

*D. Sharma*  
Registrar

*P. Sharma*  
Vice Chancellor

ATTESTED

Registrar  
DAS University, Jalandhar

1981/2

गुरुकुल काँगड़ी विश्वविद्यालय, हरिद्वार, भारत  
 ( ग्रेड 'A' के तहत प्राप्त एवं विश्वविद्यालय अनुदान आयोग/मानव सरकार द्वारा पूर्णतः अनुदानित मानव विश्वविद्यालय )  
 Gurukula Kangri Vishwavidyalaya, Haridwar, India  
 (NAAC 'A' Grade Accredited Deemed to be University fully funded by UGC/Govt. of India)



### विद्यावाचस्पतिः

इदं प्रमाणीक्रियते यत् श्री/सुश्री मंजू देवराड़ी पुत्र./पुत्री श्री भवानी दत्त देवराड़ी प्रस्तुतः  
 शोधप्रबन्धः २०१६ तमे ख्रीष्टाब्दे प्रतिज्ञातः। तदर्थम् अस्मै/अस्यै गुरुकुल-काँगड़ी-विश्वविद्यालयेन  
 मानव-चेतना एवं योग विज्ञान-विषये विद्यावाचस्पति-उपाधिः प्रदीयते। अस्य शोध-प्रबन्धविषयः -  
 “ए स्टडी ऑफ द इफेक्ट ऑफ यौगिक इंटरवेंशन ऑन ऑटिज्म स्पेक्ट्रम डिसऑर्डर।”

### DOCTOR OF PHILOSOPHY

This is to certify that Mr./Ms. MANJU DEORARI Son/Daughter of Shri  
 BHAWANI DATT DEORARI has been admitted to the degree of Doctor of  
 Philosophy of Gurukula Kangri Vishwavidyalaya in HUMAN CONSCIOUSNESS  
 & YOGIC SCIENCE in the year 2016. The degree of DOCTOR OF  
 PHILOSOPHY is hereby conferred on his/her under the seal of Vishwavidyalaya. The  
 title of his/her thesis was : A Study of the effect of yogic intervention on autism  
 spectrum disorder.

कुलाधिपतिः  
 Chancellor  
 डॉ. सत्य पाल सिंह

हरिद्वारम् / Haridwar  
 दिनांक / Date 18-02-2019

कुलपतिः  
 Vice-Chancellor

कुलसचिवः  
 Registrar

ATTESTED

Registrar  
 DAV University, Jalandhar

Scanned with CamScanner

Serial No. 162093

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुमति पर  
विद्या वाचस्पति  
की उपाधि  
गुरप्रीत कौर

को, जिन्होंने इस उपाधि की अर्जापति हेतु विनियम विहित अपेक्षाओं को दिनांक मई 03, 2016 में सफलतापूर्वक पूरा कर लिया है, एतद्वारा प्रदान करता है।  
सोध प्रबन्ध शीर्षक: हेटेरोस्ट्रक्चर्स ऑफ़ AI डोपेड ZnO एण्ड Cu<sub>2</sub>O थिन फिल्मर फॉर सॉलर सेल एप्लीकेशन  
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक सितम्बर 30, 2016, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

ATTESTED  
Registrar  
DAV University, Jalandhar

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

on the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

GURPREET KAUR

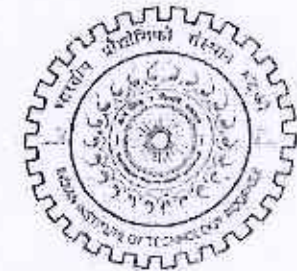
who has successfully completed on May 03, 2016 the requirements prescribed under the regulations for the award of this degree.

Thesis Title: HETEROSTRUCTURES OF AI DOPED ZnO AND Cu<sub>2</sub>O THIN FILMS FOR SOLAR CELL APPLICATION

Given this day, September 30, 2016, 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

  
प्रशासक  
कुलसचिव  
Registrar

Gaur



PHONES :

46

# HIMACHAL PRADESH UNIVERSITY

SUMMER HILL, SHIMLA-171005  
(NAAC Accredited 'A' Grade University)

Ref. No.....HPU/Exams (Degree Cell) Ph. D. /2016/ Prov. Cert.

Dated :...04.01.2017.....


## PROVISIONAL CERTIFICATE

Certified that Ms. Yanchen Dolma D/o Sh. Tanzin Chhering has been declared qualified for award of the degree of Doctor of Philosophy in the subject of Zoology, under the Faculty of Life Sciences from this University vide Notification No. Ph.D.2016-43 dated 31.12.2016

Title of the Thesis:

**"TAXONOMIC STUDIES ON NEMATODE PARASITES OF FRESH WATER FISHES IN HIMACHAL PRADESH"**

The formal degree shall be issued in the University Convocation to be held in due course of time.

  
Assistant Registrar (Exam-II)  
Examinations-II  
H.P. University, Shimla-5

*Self attested  
Yanchen Dolma*

**ATTESTED**

  
Registrar

DAV University, Jalandhar

18

प्रवेशांक/Admission No. A-2012-10-003



विश्वविद्यालय के प्रतीकायीन प्रदत्त  
Given under the seal of the University

श्री० नरवण कुमार

# हिमाचल प्रदेश कृषि विश्वविद्यालय

विकृत परिषद की संनतृति पर

शिल्पा कौशल

को

विज्ञान वाचस्पति

(अन्य विज्ञान)

की उपाधि के लिए अपेक्षित पाठ्यक्रम का १८.०४.२०१६ में सफल पानण करने  
र.२७/१०.०० नमूनेकोटि मध्यमान अंक अर्जित करने पर उक्त उपाधि प्रदान की जाती है।

श्री. Sarwan Kumar

## Himachal Pradesh Krishi Vishwavidyalaya

on the recommendation of the  
Academic Council hereby confers upon

**Shilpa Kaushal**

the degree of

**Doctor of Philosophy**

(Agronomy)

**ATTESTED**

**Registrar**

DAV University, Jalandhar

having successfully completed on 18.04.2016 all the requirements for the  
degree with an overall grade point average of 8.27/10.00.



पालमपुर (हिमाचल प्रदेश)

Palampur (Himachal Pradesh)

दिनांक

The 8<sup>th</sup> September, 2017

कुल सचिव  
Registrar

कुलपति  
Vice-Chancellor

Sub attested  
Kaushal  
12/sep/17

98

ATTESTED

Registrar

DAU University, Jalandhar

Admission No. H-2012-24-D

# Dr Dushwant Singh Parmar University of Horticulture and Forestry

on the recommendation of the Academic Council and the Board of Management hereby confers upon *Aditi Sharma* son/daughter of *Shri Krishan Bhardwaj* the degree of

## Doctor of Philosophy

### Plant Pathology

having successfully completed on 08.07.2016, all the requirements for the same with an Overall Grade Point Average of 7.96/10.00.



Solan  
(Himachal Pradesh) INDIA  
Dated : 06.03.2017

*S. Sharma*  
Registrar

*H. Sharma*  
Vice Chancellor

*[Handwritten signature]*

Serial No. 6495

Admission No. 2013A18D

**CHAUDHARY CHARAN SINGH**  
**HARYANA AGRICULTURAL UNIVERSITY, HISAR**  
(Established by Parliament Act No. 16 of 1970)



**PROVISIONAL DEGREE CERTIFICATE**

It is certified that **Rupender Kumar** son of Shri **Joginder Singh** and Smt. **Raj Rani** has successfully completed the requirements of course work and thesis for the Degree of **Doctor of Philosophy** in the discipline of **EXTENSION EDUCATION** in **January, 2017**. His/Her Overall Grade Point Average is **7.89** (10.00 basis), which is equivalent to **78.90%** marks (**1<sup>st</sup> Division**).

Place: Hisar (India)  
Date : 31.01.2017

*Babu Lal*  
Assistant Registrar (PGS)

"Valid only up to the award of Degree at convocation. Please insist upon production of Degree after one year of the date of issue of this Provisional Degree Certificate."

**ATTESTED**  
*[Signature]*  
**Registrar**  
**DAV University, Jalandhar**



Reg No. PH10053



विद्यत-परिषद् की अनुशंसा पर  
भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

का  
शासक मण्डल  
शैली गुप्ता

को  
वांछनीय योग्यता प्राप्त कर लेने पर  
डॉक्टर ऑफ फिलॉसफी  
की उपाधि प्रदान करता है।

मोहाली में वर्ष दो हजार सतरह के मई माह के सत्ताइसवें दिन प्रदत्त।

*The Board of Governors*  
of the

*Indian Institute of Science Education and Research Mohali*  
upon the recommendation of the Academic Senate hereby confers on

*Shelly Gupta*  
the Degree of

*Doctor of Philosophy*

*on having fulfilled the requirements.*

*Given at Mohali on the twenty seventh day of May two thousand and seventeen.*

ATTESTED

Registrar

DAV University, Jalandhar

M. Kar

Chairman  
Board of Governors

Registrar



N. S. S.

Chairman  
Academic Senate

INDIA

July  
11/5/17

98



Roll No.: 71001600101

Regd No.: 2010.BOT/A.13

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

VINOD KUMAR

son/daughter of

SHIV DASS

the degree of  
**Doctor of Philosophy**

in the faculty of

LIFE SCIENCES (BOTANY)

*[Signature]*  
Professor Incharge (Examinations)

*[Signature]*  
Registrar

*[Signature]*  
Vice Chancellor

*[Signature]*  
Chancellor

Amritsar : January 25, 2017

*Self attested*  
*[Signature]*

**ATTESTED**  
*[Signature]*  
Registrar  
Guru Nanak Dev University, Jalandhar

Scanned by CamScanner



Registrar  
Jalandhar

ATTESTED



For  
R-15/17/17  
N

डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषद् की अनुशंसा पर  
विद्या वाचस्पति की उपाधि एतद्द्वारा  
चंदा चड्ढा

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : "इफेक्ट ऑफ एडिटिव्स ऑन सॉल्वेशन बिहेवियर ऑफ इमिडेजोलियम बेस्ड आयोनिक लिक्विड्स इन एक्वस सॉल्यूशन्स"  
भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक तीस अप्रैल 2017 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR**

*Upon the recommendation of the Senate hereby confers the degree of*

**Doctor of Philosophy**

*on*

**CHANDA CHADHA**

**Thesis title: "EFFECT OF ADDITIVES ON SOLVATION BEHAVIOR OF IMIDAZOLIUM BASED IONIC LIQUIDS IN AQUEOUS SOLUTIONS"**

*Given this day, the Thirtieth of April, 2017, under the seal of the Institute at Jalandhar in the Republic of India.*

अध्यक्ष, अभिशासक परिषद्  
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्  
Director & Chairman, Senate

self attested  
Chadha

कुलसचिव  
Registrar



Serial No. W17109002

Enrollment No. 136951  
Aadhar No. 376900459748

# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT (H.P.)



Scanned with CamScanner

DAV University, Jalandhar  
Registrar  
ATTESTED

Upon approval of the Governing Council hereby confers the Degree of

## DOCTOR OF PHILOSOPHY

on

### Bandna Bharti

from the Department of

## PHYSICS AND MATERIALS SCIENCE

on

Surface Modification of Titanium Dioxide Thin Films and their Applications

*Das*  
Registrar

*[Signature]*  
Chairman  
Governing Council

*[Signature]*  
Vice Chancellor

Waknaghat  
4-Dec-2017

*[Signature]*  
79



Roll No.: 71001600108

Regd No.: 2005.CH/A.38

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

SHIKHA

son/daughter of

SURJIT SINGH

the degree of  
**Doctor of Philosophy**

in the faculty of

SCIENCES (CHEMISTRY)

Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Amritsar : February 17, 2017

**ATTESTED**  
  
Registrar  
DAV University, Jalandhar



174

Roll No.: 71001600082

Regd No.: 2011.PHD(CBM)-01

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

ASHUTOSH GUPTA

son/daughter of

BRIJ MOHAN GUPTA

the degree of  
**Doctor of Philosophy**

in the faculty of

ECONOMICS & BUSINESS (COMMERCE)

*Amrinder Khera*  
Professor Incharge (Examinations)

*[Signature]*  
Registrar

*[Signature]*  
Vice Chancellor

*[Signature]*  
Chancellor

Amritsar : February 15, 2017

DAV University, Jalandhar  
Registrar



Roll No.: 71001600084

Regd No.: 98.RKJ/A.121

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

PREETI ARORA

son/daughter of

R.K. ARORA

the degree of  
**Doctor of Philosophy**

in the faculty of

ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)

Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Amritsar : February 21, 2017

5

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,  
JALANDHAR  
Ph.D NOTIFICATION

70

Enst. No. IKGPTU/Ph.D/R&D/278


Dated: 26-7-17

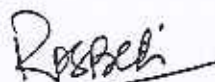
Revised Notification: IKGPTU/2017/328 for the Ph.D degree award

With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to Mr/Ms. SANKALAP ARORA S/D/o RAJ KRISHAN ARORA, Regd. No.1203017 in the faculty of Engineering (Computer Science and Engineering).

Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2012	17.07.17	STUDY AND INVESTIGATIONS ON BIO-INSPIRED OPTIMIZATION ALGORITHMS	Dr. Satvir Singh Associate Professor, IKG PTU, Kapurthala

The final degree will be conferred in the annual convocation of the University.

  
Dean (R&D)

  
Controller of Examination

  
Registrar

ATTESTED  
  
Registrar  
DAV University, Jalandhar

582





संत लोंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

लोंगोवाल-148106, जिला-संगरूर, (पंजाब), भारत  
(भारत सरकार, मा.प्र.वि.ग. के अधीन समर्पित विश्वविद्यालय)

SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY  
LONGOWAL-148 106, DISTT. SANGRUR (PUNJAB), INDIA

(Deemed University under MHRD, Government of India)

सं/Ref. No. SLIET/AS/ 8122

दिनांक / DATE: 27-10-17

PROVISIONAL CERTIFICATE

This is to certify that MR. CHETAN VASUDEVA son of SH. S.K. VASUDEVA having Registration No. PEI/1006 has successfully completed all the requirements for the award of Doctor of Philosophy (Ph.D.) in the DEPARTMENT OF ELECTRICAL AND INSTRUMENTATION ENGINEERING of this Institute on 25.10.2017.

He has also completed 08 CREDITS COURSE WORK.

The title of the thesis is:

QUASI- STATIC FIELD ANALYSIS OF ELECTRICAL MACHINES USING AN H-HIERARCHICAL ADAPTIVE FINITE ELEMENT METHOD

This is also to certify that he has completed requirements of Ph.D. in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree), Regulations, 2009.

This certificate is being issued with the approval of Chairman, Senate.

Date: 27-10-17

Place: Longowal

*Bansal*

Registrar

ATTESTED

*[Signature]*  
Registrar

DAV University, Jalandhar

*Self-Attested*

*[Signature]*  
me35  
3/11/17

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,  
JALANDHAR

Ph.D NOTIFICATION

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Endst. No. IKGPTU/Ph.D/231

Dated: 10/05/2017

Notification: IKGPTU/2017/302 for the Ph.D degree award

With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to Mr/Ms. *VIKRAM KUMAR S/D/o SAWAN DASS*, Regd. No.1104002 in the faculty of *Engineering (Electrical Engineering)*.

Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2011	17.04.17	<i>MULTI-OBJECTIVE MULTI-AREA UNIT COMMITMENT PROBLEM OF ELECTRIC POWER SYSTEM.</i>	<i>Dr. Sarbjeet Kaur Bath Professor, GZS Campus College of Engineering and Tech, Bathinda.</i>  <i>Dr. J.S. Dhillon Professor, Electrical &amp; Instrumentation Engineering Department, Sant Longowal Institute of Engineering &amp; Technology, Longowal</i>

The final degree will be conferred in the annual convocation of the University.

*Alhijl*  
Dean (R&D)

*Rosparb*  
Controller of Examination

*Arj*  
Registrar

**ATTESTED**  
*[Signature]*  
Registrar  
DAV University, Jalandhar

*V. Kaur*  
10/05/17



No.: Ph.D./PDC/125

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# संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

लौंगोवाल-148106, जिला-संगरूर, (पंजाब), भारत  
(भारत सरकार, मा.स.वि.प. के अधीन समविश्वविद्यालय)

## SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY

LONGOWAL-148 106, DISTT. SANGRUR (PUNJAB), INDIA

(Deemed University under MHRD, Government of India)

दर्भ सं/Ref. No. SLIET/AS/ 7589

दिनांक /DATE: 21-9-17

### PROVISIONAL CERTIFICATE

This is to certify that Ms.HIMANI ARORA daughter of Sh. PRABH DAYAL having Registration No. PMA1101 has successfully completed all the requirements for the award of Doctor of Philosophy (Ph.D.) in the DEPARTMENT OF MATHEMATICS of this Institute on 12.09.2017

She has also completed 08 CREDITS COURSE WORK

The title of the thesis is:

**SOME IMPROVED CLASSES OF ITERATIVE METHODS FOR SOLVING NONLINEAR EQUATIONS**

This is also to certify that She has completed requirements of Ph.D. in accordance with the provisions of UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree), Regulations, 2009.

This certificate is being issued with the approval of Chairman, Senate.

Date: 21-9-17

Place: Longowal

*[Signature]*  
Registrar

**ATTESTED**

*[Signature]*  
Registrar

**DAV University, Jalandhar**

EXPLORE INNOVATE EXCEL

75

# PEC University of Technology, Chandigarh


No. PEC/DAA/S6/ 3242

Dated: 23-01-2017

## PROVISIONAL DEGREE CERTIFICATE

This is to certify that Mr. Ramandeep Singh S/o Sh. Jaspal Singh SID-09301102, has been a Ph.D. student of PEC University of Technology, Chandigarh in the Department of Production & Industrial Engineering during 2009-2017. He has completed his Ph.D. programme on 16<sup>th</sup> January, 2017. He will be awarded degree in accordance with the provisions of the UGC regulations 2009 in the next Convocation.

The medium of instructions and evaluation for all degree programmes in this University is English.

  
Dean Academic Affairs,  
PEC University of Technology,  
Chandigarh

Dean Academic Affairs  
PEC University of Technology  
Chandigarh

**ATTESTED**

  
Registrar  
OAV University, Jalandhar

(A Deemed University under Section 3 of UGC Act, 1956)  
formerly Punjab Engineering College, Chandigarh  
Sector 12, Chandigarh - 160 012, India  
Phone : 91-172-2753053 Fax : 91-172-2745175  
Website : [www.pec.ac.in](http://www.pec.ac.in)

Heritage 1921

Department - physics  
emp. Id - 10407

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# Indian Institute of Technology Mandi



No.: IIT Mandi/Academics/Ph.D./2017/3308  
Date: 09<sup>th</sup> March, 2017

## PROVISIONAL CERTIFICATE

(FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.))

This is to certify that Mr. Navneet Singh (Roll No. DI0003) has successfully completed all the requirements for the award of the degree of Doctor of Philosophy (Ph.D.) of this Institute on 08<sup>th</sup> March, 2017. The title of his Thesis is "Electronic and Structural Studies of Transition Metal Oxides".

The degree shall, however, be conferred at the next Convocation of the Institute subject to ratification by the Senate and the Board of Governors of the Institute.

  
(Vivek Tiwari)  
Assistant Registrar (Academics)

Self Attested  
Navneet Singh



**ATTESTED**  
  
Registrar  
Punjab University, Jalandhar

PANJAB UNIVERSITY  
DEPARTMENT OF ZOOLOGY

CHANDIGARH-160014 (INDIA)

No. 1509 / 21 2017

Dated 16.8.2017

TO WHOM IT MAY CONCERN

This is to certify that Ms. Sakshi Verma was a Research Scholar under the supervision of Dr. R. Jindal, Professor in this department and her Ph.D. entitled was "STUDIES ON HISTOPATHOLOGICAL BIOCHEMICAL AND GENOTOXIC CHANGES INDUCED BY SUBLETHAL CONCENTRATIONS OF CADMIUM CHLORIDE IN *LABEO ROHITA* (HAMILTON)". Her Ph.D. viva-voce was held on 10.7.2017 in the department of Zoology, P.U., Chandigarh.



( Sukhbir Kaur )  
Professor & Chairperson

Chairperson  
Department of Zoology,  
Panjab University, Chandigarh

Self attested  
Sakshi Verma  
16/08/2017

ATTESTED



Registrar  
DAV University, Jalandhar



Roll No. 4083



# Punjab University



## Doctor of Philosophy

( In the faculty of Science )

Certified that Rajinder Kaur , Regd. No. 2013-ez-89 , daughter of Shri. Ranbir Singh Chadha , and of the Punjab State , has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2018 .

Given under the seal of the University

*[Signature]*

Controller of Examinations

*[Signature]*

Registrar

Chandigarh, May, 29, 2018



**ATTESTED**

*[Signature]*  
Registrar  
DAV University, Jalandhar

*[Signature]*

Vice Chancellor

*[Signature]*

Chancellor

(96)

Serial No.: 526

Registration No.: J-14-D-209-A



Sher-e-Kashmir  
University of Agricultural Sciences & Technology of Jammu  
Chadha, Jammu - 180009 (J&K)  
\*\*\*\*\*



PROVISIONAL DEGREE CERTIFICATE

This is to certify that Ashu Sharma  
son of Shri Rajinder Kumar, has  
successfully completed the requirements of course work and thesis for the  
degree of Doctor of Philosophy in Agronomy  
of this University in the month of October, 2018.  
His Overall Grade Point Average is 7.77 out of 10.00.  
OGPA in words Seven Point Seven Seven out of ten.

Joint Registrar (Acad.)

Dated 19-11-2018

ATTESTED

Registrar  
DAV University, Jalandhar

S.A.

Registrar



Serial No.: 487

Registration No.: J-13-D-176-A

6



**Sher-e-Kashmir**  
**University of Agricultural Sciences & Technology of Jammu**  
Chatha, Jammu - 180009 (J&K)  
\*\*\*\*\*



**PROVISIONAL DEGREE CERTIFICATE**

This is to certify that Sonika Sharma

daughter of Shri Chaman Lal Sharma, has

successfully completed the requirements of course work and thesis for the degree of Doctor of Philosophy in Entomology

of this University in the month of March, 2018

Her Overall Grade Point Average is 7.52 out of 10.00.

OGPA in words Seven Point Five Two out of ten.

Joint Registrar (Acad.)

Registrar

Dated: 24-05-2018

**ATTESTED**  
  
Registrar  
University, Jalandhar

S/A  
Sonika

(12) (5)

Roll No. 4006



# Punjab University



## Doctor of Philosophy

(In the faculty of Science)

Certified that Nirja Kumari, Regd. No. 09-604-19, daughter of Shri. Inder Kumar, and of Himachal Pradesh, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2018.

Given under the seal of the University

*Manjit Singh*

Vice Chancellor

*Manjit Singh*

Chancellor

*Manjit Singh*

Controller of Examinations

*Manjit Singh*

Registrar



Chandigarh, March, 01, 2010

*Self Attested  
N. J. Singh*

**ATTESTED**

*Manjit Singh*  
**Registrar**  
**PAV University, Jalandhar**

Serial No 0164

Roll No .13520002



डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषेक की अनुमति पर

विद्या वाचस्पति की उपाधि स्तम्भद्वारा

निशा देवी

को प्रदान करता है।

सोम-पटना शीर्षक : " डिजाइन ऐन्ड सिंथेसिस ऑफ बायोलॉजिकली ऐक्टिव नोवेल इंडोले ऐन्ड पाइराजोले फ्यूज्ड फ्रेमवर्क्स " भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक अट्ठाईस अप्रैल 2018 को संस्थान की नुदा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

NISHA DEVI

Thesis title: "DESIGN AND SYNTHESIS OF BIOLOGICALLY ACTIVE NOVEL INDOLE AND PYRAZOLE FUSED FRAMEWORKS"

Given this day, the Twenty Eighth of April, 2018, under the seal of the Institute at Jalandhar in the Republic of India

अध्यक्ष, अभिरासक परिषद  
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अभिषेक  
Director & Chairman, Senate





Roll No. : 71001700194

Regd No.: 99.HJ/A.888

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

GITIKA NAGRATH

J.K. NAGRATH

the degree of

**Doctor of Philosophy**

in the faculty of

ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)

DAV University, Jalandhar

Registrar

ATTESTED

son/daughter of

*[Signature]*

Professor Incharge (Examinations)

*[Signature]*

Registrar

*[Signature]*

Vice Chancellor

*[Signature]*

Chancellor

Amritsar : May 4, 2018



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# Lovely Professional University

Established by an Act of the Legislature of the State of Punjab, the Lovely Professional University Act, 2002 (Act No. 25 of 2002), and recognized by the University Grants Commission under Section 25 of the UGC Act, 1956.

On recommendation of the Academic Council,  
Lovely Professional University admits

**Saloni Raheja**

D/o Mr. Anil Kumar Raheja and Ms. Nirnal Raheja

degree of

**Doctor of Philosophy**  
(Commerec)

Lovely Faculty of Business and Arts

having completed the prescribed requirements in the year 2018.

Title of Thesis: A Study on Individual Investment Decisions, Risk Tolerance and Influencing Factors in Stock Market

Given under the seal of the University

at Phagwara, Punjab, India

at the Convocation

on the Twenty Second day of October, Two Thousand and Eighteen

Manish Gulati  
Registrar

Rohit Anwar  
Vice Chancellor

[Signature]  
Chancellor

Certificate Number: 249617

**ATTESTED**

Registration Number: 41300076

This Degree can be authenticated by submitting the certificate number to [www.lpu.in/authenticate](http://www.lpu.in/authenticate) or e-mail to [recordverification@lpu.co.in](mailto:recordverification@lpu.co.in)

Lovely Professional University  
Jalandhar-Delhi G.T. Road, (NH-1)  
Phagwara, (Punjab) India-144411.

**Registrar**  
**DAV University, Jalandhar**

Ph: +91-1824-444538  
website: [www.lpu.in](http://www.lpu.in)

Saloni Raheja



Roll No. : 71001700124  
Regd No.: 2006.CA/A.77

The Senate of  
**GURU NANAK DEV UNIVERSITY**

have conferred upon

HARPREET SINGH

son/daughter of

GURJIT SINGH

the degree of  
**Doctor of Philosophy**

in the faculty of

ENGINEERING & TECHNOLOGY (COMPUTER SCIENCE & ENGINEERING)

*[Signature]*  
Professor Incharge (Examinations)

Registrar

Vice Chancellor

Chancellor

Amritsar : February 19, 2018

*Self attested  
Harpreet Singh*

Note : Degree Void if Hologram tampered

Guru Nanak Dev University, Jalandhar  
Registrar

ATTESTED

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I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,  
JALANDHAR

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Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 937


Dated: 26/12/2018

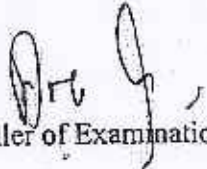
Notification: IKGPTU/2018/537 for the Ph.D degree award


With the approval of competent authority, I. K. Gujral Punjab Technical University notify the award of Ph.D degree to Mr/Ms. *Gagan Deep S/D/o Ramesh Kumar*, Regd. No. *1005015* in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on *26/12/2018* after completion of thesis work and successfully defended his/her case during presentation among expert panel of university.

Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2011	05/12/2018	DEVELOPMENT, CHARACTERIZATION AND TESTING OF CERAMIC BASED MICROWAVE ABSORBER COATINGS BY THERMAL SPRAYING.	Dr. Vikas Chawla Professor (ME), IKG PTU Hoshiapur Campus, Hoshiarpur.  Dr. Santosh Kumar Vishvakarma Associate Professor, IIT, Indore.

Final degree will be conferred in the annual convocation of the University.

  
Dean (R&D)

  
Controller of Examination

  
Registrar

ATTESTED  
  
Registrar  
I.K. Gujral Punjab Technical University, Jalandhar

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अनुक्रमांक / Entry No. 2012HSZ0001

अधिसासी मंडल  
भारतीय प्रौद्योगिकी संस्थान रोपड़  
अभिषद् की अनुशंसा पर  
जसविंदर सिंह  
को शीर्षक

A STUDY OF SOCIAL DISCOURSE IN THE BANI OF GURU NANAK, KABIR AND  
SANT RAVIDAS IN THE GURU GRANTH SAHIB; A BAKHTINIAN PERSPECTIVE

में

विद्या वाक्स्पति  
की उपाधि

विहित अपेक्षाओं को पूरा कर लेने पर  
तील दिसंबर दो हजार अठारह को भारत गणराज्य के रूपनगर में प्रदान करता है।

The Board of Governors  
of the

INDIAN INSTITUTE OF TECHNOLOGY ROPAR

upon the recommendation of the Senate hereby confers on

JASWINDER SINGH

the Degree of

Doctor of Philosophy

for thesis entitled

A STUDY OF SOCIAL DISCOURSE IN THE BANI OF GURU NANAK, KABIR AND  
SANT RAVIDAS IN THE GURU GRANTH SAHIB: A BAKHTINIAN PERSPECTIVE

on having fulfilled the requirements.

Given at Rupnagar in the Republic of India

on the Third Day of December Two Thousand Eighteen.

U.S. Mehta  
कुलसचिव  
Registrar

अध्यक्ष, अभिषद्  
Chairman, Senate

अध्यक्ष, अधिसासी मंडल  
Chairperson, Board of Governors

ATTESTED  
  
Registrar  
DAV University, Jalandhar

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# SAI NATH UNIVERSITY

Ranchi, Jharkhand

(Established by Jharkhand Govt. Act No. 15 of 2012 and recognized as per section 2(f) of UGC Act, 1956)

## Doctor of Philosophy

This is to certify that *Yeshbeer Singh Son/Daughter of Mr. Ishwar Singh* has been awarded the Degree of Doctor of Philosophy in Physical Education.

The topic on which he/she presented a thesis for the degree was: "ANTHROPOMETRIC CHARACTERISTICS AND KINEMATIC VARIABLES AFFECTING THE PERFORMANCE OF VOLLEYBALL PLAYERS IN SPIKING"

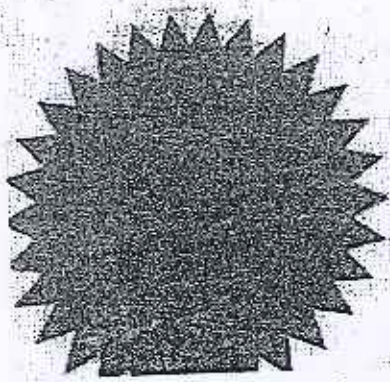
Date of Issue : 30 Oct, 2018

Vice-Chancellor



ATTESTED

Registrar  
SAI NATH University, Jalandhar



Roll No. 13903003

Serial No. 0178



डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अनिन्द को अनुरक्त पर

विद्या नावस्यति की उपाधि एतद्वारा

आरती

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : 'फॉल्ट प्रीडिक्शन यूजिंग मशीन लर्निंग टेक्निकस'

भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक सात अप्रैल 2019 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

AARTI

Thesis title: "FAULT PREDICTION USING MACHINE LEARNING TECHNIQUES"

Given this day, the Seventh of April, 2019, under the seal of the Institute at Jalandhar in the Republic of India.

अध्यक्ष, अधिरासक परिषद्  
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अनिन्द  
Director & Chairman, Senate



सुलतचिव  
Registrar



ATTESTED

Registrar

AV University, Jalandhar