



World Institutional RANKING



PROUD MEMBER OF IAU

NOW RANKED #970 GLOBAL RECOGNITION! DET & SI Rankings 2025!

GU GLOBAL UNIVERSITY RANKINGS GOLD 4.0/5.0



Recognized as SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISATION Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India

academic impact



www.deshbhagatuniversity.in



Desh Bhagat University  
Research. Innovation. Entrepreneurship.

NAAC GRADE A+ ACCREDITED UNIVERSITY

INSPIRED BY LEGACY. DRIVEN BY VISION.



FACULTY OF AGRICULTURE & LIFE SCIENCES



2026-2027

www.deshbhagatuniversity.in

# FACULTY OF AGRICULTURE AND LIFE SCIENCE

- University School of Agriculture Science
- Department of Life Sciences

## VISION

- To create globally recognized competent Agriculturist and Scientist to work in multi oriented and challenging environment.

## MISSION

- To impart quality education, for enhancement of skills for progression in career and higher education according to student's area of interest.
- To set up a student centered learning atmosphere and develop a research facility for graduate level to inculcate research attitude in students for innovations.
- To make collaboration with industries, distinguished research institution and to become a centre of excellence.

NAME OF STUDENT	PROGRESSION DETAIL
Ms Simran	ADO (Agriculture Development Office)
Ms. Avneet	M.S.c in Agriculture at LPU, Phagwara
Ms. Janavi	M.S.c in Agriculture at Solan University, HP
Mr. Harkaranjot Singh Brar	M.S.c in Agriculture at Mata Gujri College ,Fathehgarh Sahib
Mr. Vishal	M.S.c Agriculture at Canada
Mr. Sandeep Singh	M.S.c in Horticulture, DBU, Mandi Gobindgarh

## From the Dean & Director Desk

PROF(DR) HARVINDER KAUR SIDHU  
Professor and Dean,  
Faculty of Agriculture and Life Sciences, DBU



The Faculty of Agriculture and life sciences University, Desh Bhagat University, Mandi Gobindgarh, Punjab has a vision to create globally recognized competent Agriculturist to work in multi oriented and challenging environment. With this vision the school is dedicatedly working on a mission to impart quality education. The school has been always updating its strategies in light of significant changes in agricultural sector keeping in view the educational vision and mission of school and university as a whole. Academic environment includes good laboratories with highly qualified faculties that explore the theoretical as well as practical knowledge in highly professional manner that can prepare the students to meet the challenges in increasingly competitive world. Our core aim is to enable the students as Agriculture experts to contribute to the society and community with concrete concentrated knowledge.

### Contact Details:

**Email:** [directoragri@deshbhagatuniversity.in](mailto:directoragri@deshbhagatuniversity.in)

**Website:** [www.deshbhagatuniversity.in](http://www.deshbhagatuniversity.in)

**Phone:** 01765 -521946 | 6239564488



## Programmes Offered

### Ph.D IN AGRONOMY

**Eligibility:** As per UGC norms

**Duration:** As per UGC norms

### M.Sc. HORTICULTURE

#### Fruit Science | Vegetable Science

**Eligibility:** B.Sc. (Agriculture) (Hons.) or B.Sc. (Horticulture) 4 years from a recognized University.

**Duration:** 2 Years

### B.Sc. AGRICULTURE

**Eligibility:** Direct Entry: A candidate must have passed 10+2 Medical and Non Medical from a recognized Board or established by State/Central Govt.

**Duration:** 4 Years

### Ph.D IN LIFE SCIENCES (Botany, Zoology, Microbiology)

**Eligibility:** As per UGC norms

**Duration:** As per UGC norms

### M.Sc. BOTANY

**Eligibility:** B.Sc. Medical with Botany as one of the subjects or BSC Botany (Hons) from a recognized Institute/University.

**Duration:** 2 Years

### M.Sc. ZOOLOGY

**Eligibility:** B.Sc. Medical with Zoology as one of the subjects or BSC Zoology (Hons) from a recognized Institute/University.

**Duration:** 2 Years

### M.Sc MICROBIOLOGY

**Eligibility:** B.Sc. Medical OR B.Sc Microbiology (Hons) or B.Sc. MLT from a recognized Institute/University

**Duration:** 2 Years

### M.Sc BIOCHEMISTRY

**Eligibility:** B.Sc. Medical OR B.Sc Biochemistry (Hons) from a recognized Institute/University

**Duration:** 2 Years

### M.Sc. Environmental Sciences

**Eligibility:** B.Sc. (Hons)/ B.Sc. Degree (10+2+3 system of education) in any science subject (any combination) with 50% marks, B.Tech./B.E. (Civil Engineering), B. Tech/B.E. Environmental Engineering"

**Duration:** 2 Years



## Best Features

**Well Equipped Laboratories**

**Digital Reservoir**

**Highly qualified and Experienced faculty**

**Eco Friendly Department**

**Agro Meterology Observatory**

**Ample Land area for Practical Experimentation**

**Poly House, Vermicomposting Unit and Biogas Plant:  
Facilities for better and sustainable Agriculture**

**Faculty funded by DST and ICSSR for  
Government research Projects**

**Students from Diverse places belonging to different  
languages contributing to Unity in diversity**

## Advisory



**PROF(DR) NEELIMA JERATH**  
 Executive Director,  
 Puspaha Gujral Science City,  
 Kapurthala .



**PROF(DR) GURBACHAN SINGH**  
 Former chairman,  
 ASRB, Agri Commissioner,  
 Govt of India,  
 Director CSSRI Karnal, ADG ICAR and  
 Founder President ISSWQ



**PROF(DR) JASWINDER SINGH**  
 Agriculture officer,  
 Fathegarh Sahib,  
 Punjab



**DR DAVINDER PAL SINGH**  
 Director and CEO,  
 Just Agriculture,  
 Jalandhar

## MoUs & Collaborations



## Certification from **coursera** for campus

AI AND PUBLIC HEALTH



STANFORD INTRODUCTION  
 TO FOOD AND HEALTH



TRANSMITTING AND FIGHTING  
 INFECTIOUS DISEASES



THE SCIENCE OF WELL-BEING FOR TEEN



BIOLOGY EVERYWHERE FOUNDATIONS



## Doctorate Faculty



### **PROF(DR) HARVINDER KAUR SIDHU**

**Professor and Dean | IQAC Coordinator | D.Sc and Ph.D Botany**  
**55 Research Publications in UGC CARE, Scopus indexed and SCI Journals**  
**5 Patents Published, 1 Granted | 3 Books**  
**Research Projects: DST sponsored and ICSSR Sponsored**  
**Consultancy as Botany Expert by Tilak Maharashtra Vidyapeeth, Pune**  
**Funded by CCRAS, Ministry of Ayush , Govt Of India**  
**Awarded with Parman Patra**  
**by Govt of Punjab for work on women Entrepreneurship and Health**



### **PROF(DR) DEEPIINDERPAL SINGH**

**Zoology with specialization**  
**in Entomology**  
**25 Research Publications**  
**1 International Book**  
**Involved in Social and**  
**Environmental Conservation**



### **DR. SACHIN BHARDWAJ**

**Conducted Research on**  
**Heterosis Breeding in Brinjal,**  
**with a Thesis Entitled**  
**Heterosis and Combining**  
**Ability Studies in Brinjal**  
**(Solanum Melongena L.)**



### **DR. AVINASH BHATIA**

**Ph.D Agroforestry | ICAR JRF Rank-3**  
**Qualified ICAR NET 2021 & 2023**  
**Best poster Presentation Award**  
**Publications 8 | Manual: 1**  
**BSc, MSc and PhD: Merit Scholarship**

## SCOPE

Agricultural and Life Sciences Programme provide creative education and necessary training in the broad agricultural Science and its allied fields The vast and varied agricultural Science has different segments like Agronomy, Horticulture, Agricultural Economics, Biochemistry, Genetics, Farm Management, Forestry, Entomology, Microbiology, Food Business, Plant physiology, Plant biotechnology, Seed technology ,Soil Science, Plant pathology, sericulture, floriculture etc. which will provide a wide range of career opportunities in government and private sectors such as Agriculturists, Farm managers, Agricultural Scientists, Agriculture Development Officers, Food microbiologists. They can also excel and progress for higher Education and Research.

## STRENGTH

Well Equipped Labs as per  
State Council Norms

Highly Qualified  
Doctorate Faculty

Center of Excellence: Agro  
observatory Meteorology

Funded by Govt Research Projects:  
Department of Science & Technology,  
New Delhi and Impress, ICSSR,  
Govt of India

# Laboratories & Workshops



## Horticulture Lab

Horticulture is the main stream that deals with producing vegetables and fruits that completes our basic requirement of food and nutrition. Department has equipped horticulture lab. In addition to basic knowledge in horticulture, with practical experience, students will be familiar with a wide range of subject matter including plant identification, propagation, controlled environment production, horticulture information retrieval system, pruning, and lawn care, plants for interior uses, and fruits and vegetables.



## Plant Breeding and Genetics Lab

This lab is equipped with basic instruments that help students to understand the basic concepts of genetics, helping students to develop their analytical, quantitative and problem solving skills. To provide insight into structure and functions of chromosomes, chromosome mapping, polyploidy and cytogenetic aspects of crop evolution.



## Plant Pathology

Plant Pathology lab deals providing basic knowledge about the laboratory equipment and their working, culture media, procedures necessary for sterilization, culturing of microorganisms. Student are made familiar with the identification and growth of microorganisms in culture.



## Biochemistry Lab

This subject deals with the understanding of chemical processes associated with living cells at the molecular level. The lab provides controlled conditions in which experiments may be performed. The lab practices include evaluation of nutritive value of cereals, pulses, biochemistry of disease and pest resistance.



## Soil Science Lab

The lab deals with the basic experiments that are used in the practice of soil analysis. Student understand the importance of soil texture, its nutritional value, soil management and field crop production. The lab is well equipped with all basic equipment required for the testing of soil.



## Entomology Lab

The subject deals with understanding the structure and function of insects and their role in agriculture. The lab is having all basic required equipment that are used for collection, analysis and storage of insects. Specimen present helps in understanding their morphological characters and life cycles.



## Farm Machinery Lab & Workshop

The lab is well equipped with machines and tools. Students are given demonstration for working and repair of the machinery used in Agriculture



## Agronomy Lab

The Lab has also equipment's related to crop physiology. It includes sprayers, Weighing Balance, Brix meter , EC meter etc.



## Agrometeorology Observatory

The said observatory is equipped with latest equipment's like rain gauge, Sunshine recorder, Anemometer ,soil thermometers . All are required for weather forecasting of a region.



## Animal Science Lab

Students get practical exposure to all equipment's like Brooder , Egg hatcher , vaccinators ,milk analysers , fat estimators, Feederetc concerned with dairy and livestock

# Events & Activities



Inauguration of 27th Punjab Science Congress 2024



Release of Souvenir of 27th Punjab Science Congress 2024



Foundation Stone of Agrometeorology Observatory by Prof(Dr) S.S Gosal, Vice Chancellor, PAU, Ludhiana



Appreciation to Prof(Dr) H.K Sidhu by Punjab Academy of Sciences, Patiala



Students participation in Lohri 2024



Students Participation in Alumni Meet 2024



Awareness Program on Crop Residue Management in Desh Bhagat University.



Students participation in Annual Athletic Meet 2024 : Won Best March Pass



National Science Day: 2024



Students won various awards in Annual Athletic Meet 2024



Mr. Sonu Kumar, B.Sc (Hons.) Agriculture 2nd year Participate in Speech Competition (Topic: Crop Residues Management) and win first prize



National Science Day 2024



ANVESHAN (at North Zonal and National Level)



Students Engaged in Experiential Learning in Polyhouse



Vermicompost Unit





**NAAC**  
**GRADE A+**  
ACCREDITED UNIVERSITY



**DESH BHAGAT UNIVERSITY AMERICAS**  
**School of Medicine**  
FAIMER ID: F0006367



[www.deshbhagatuniversity.in](http://www.deshbhagatuniversity.in)

**82838-33333 | 82838-11111**



University Campus:  
Off to NH-44, Amlah-Mandi Gobindgarh Road,  
Punjab (India)