

**ADMISSION
OPEN** 2024-25

**SOW THE SEEDS OF
LEARNING: CHOOSE OUR
AGRICULTURE PROGRAM FOR A
THRIVING CAREER!**



**Desh Bhagat
University**
Research.
Innovation.
Entrepreneurship.



**FACULTY OF AGRICULTURE
& LIFE SCIENCES**



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



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

Website: 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

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



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,
Puspha 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



Progressive Farmers Meet: 2024



Prof.(Dr) Deepinderpal Singh : Book Released at Guru Nanak Institute of Global Studies, Canada . Also Participated as member of Panel Discussion

Press Coverages

27th Punjab Science Congress Inaugurated by PAU VC at DBU

Dr. J.S. Sidhu, Vice-Chancellor of PAU, inaugurated the 27th Punjab Science Congress at DBU. The event was held at the DBU campus and was attended by several dignitaries. The Vice-Chancellor highlighted the importance of science and technology in the development of Punjab and the role of educational institutions in promoting research and innovation. The Congress was inaugurated by lighting a traditional lamp, symbolizing the beginning of knowledge and progress.

ਦੇਸ਼ ਭਰਾਤ 'ਵਰਸਿਟੀ ਵੱਲੋਂ ਪ੍ਰਗਰਸਿਵ ਫਾਰਮਰ ਮੀਟ 'ਸੰਘਾ ਅਨੁਭਵ ਸੰਘਾ ਵਿਕਾਸ-2023' ਦਾ ਆਯੋਜਨ

Dr. J.S. Sidhu, Vice-Chancellor of PAU, announced the inauguration of the 27th Punjab Science Congress at DBU. He emphasized the university's commitment to fostering a strong relationship between academia and the farming community. The event aims to provide farmers with the latest scientific knowledge and technological advancements to improve their agricultural practices and productivity. The Vice-Chancellor expressed confidence that the Congress will be a successful platform for knowledge exchange and collaboration.

ਡੀਬੀਯੂ ਦੇ ਅਗ੍ਰਿਮ ਕਲਬ ਨੇ ਫਸਲ ਅਵਸ਼ੇਸ਼ ਪ੍ਰਬੰਧਨ ਪਰ ਕਾਰਵਾਈ ਸਮਿਨਾਰ

The Agrim Club at DBU organized a seminar on crop residue management. The event was held at the university campus and was attended by several farmers and experts. The seminar focused on the latest techniques and technologies for crop residue management, including the use of mulch, compost, and other sustainable practices. The Vice-Chancellor highlighted the importance of crop residue management in maintaining soil health and improving crop yields. The seminar was a great success and provided a valuable platform for farmers to learn and share their experiences.

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ਅਗ੍ਰਿਮ ਕਲਬ ਨੇ ਰਾਸ਼ਟਰੀ ਵਿਗਿਆਨ ਦਿਵਸ ਮਨਾਇਆ

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