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DDU Gorakhpur University,
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हीरक जयंती समारोह



संरक्षक
श्रीमती आनंदीबेन पटेल
माननीया राज्यपाल एवं कुलाधिपति

प्रतार्यायुः प्रतरं नवीयः



वर्षों की गौरवशाली यात्रा



प्रो. पूनम टंडन
कुलपति
दीनदयाल उपाध्याय गोरखपुर विश्वविद्यालय

NATIONAL CONFERENCE ON SUSTAINABLE FOOD SECURITY [SFS 2025] (SDG2)

11 MARCH, 2025

Organised By
Department of Botany
DDU Gorakhpur
University, Gorakhpur
Uttar Pradesh, India

दीनदयाल उपाध्याय
गोरखपुर विश्वविद्यालय

हीरक जयंती वर्ष - 2025

75 वर्षों की गौरवशाली यात्रा

ABOUT GORAKHPUR CITY

Gorakhpur, located in the northeastern part of Uttar Pradesh near the border with Nepal. The city is situated along the banks of the Rapti River, which plays a significant role in shaping its climate and ecosystem. A humid subtropical climate, characterized by hot summers, a distinct monsoon season, and mild winters with average annual temperature between 10°C and 40°C, with considerable rainfall occurring during the monsoon. This region is part of the Terai belt, renowned for its fertile alluvial soil and rich biodiversity. The presence of wetlands and water bodies, such as Ramgarh Lake, offers essential habitats for migratory birds and aquatic life. Nevertheless, the area grapples with environmental issues, including flooding, deforestation, and water pollution. The economy of Gorakhpur is primarily supported by agriculture, trade, and small-scale industries. The fertile land and plentiful water resources facilitate the cultivation of crops such as rice, wheat, sugarcane, and pulses. Additionally, the city serves as a commercial center, service sector and developing infrastructure, including the Gorakhpur Fertilizer Factory and the largest mechanical workshop of Indian Railways. The city derives its name from the medieval saint Gorakhnath, and the Gorakhnath Math temple stands as a prominent religious and cultural landmark. While it contends with environmental and public health challenges, ongoing scientific research, advancements in healthcare, and sustainable development efforts are improving the quality of life and safeguarding the region's natural resources.

ABOUT DDU GORAKHPUR UNIVERSITY

Deen Dayal Upadhyaya Gorakhpur University, established in 1957 by the Uttar Pradesh State Universities Act), is the first University to be established in Uttar Pradesh after Independence. Spread over 190.96 acres, it houses seven Faculties comprising of 40 departments that have been playing a significant role in imparting holistic education predominantly to the people of the Eastern region of Uttar Pradesh, Western Bihar, and the neighbouring country of Nepal since its inception. As a residential-cum-affiliating State University whose academic jurisdiction spreads across three districts of Eastern Uttar Pradesh it can boast of a rich academic legacy, illustrious alumni, experienced, qualified and dedicated faculty members, transparent and effective administrative set up, state-of-the art library, ample career growth opportunities, advanced research facilities and a vibrant and safe campus. University is recognized with an A++ accreditation by the NAAC. Notably, it has attained the highest score in Uttar Pradesh, securing the 4th position nationwide. It secured the 84th Rank in India and 1st in UP in the Nature Index Ranking, 2024, 240th rank in QS World University Rankings: Southern Asia 2025, 226th rank in SCImago Institutions Rankings, 2024, and 104th position in India in the Uni Rank University Ranking, 2024. The University has also performed well in the 2024 edition of Edurank and Webometrics Rankings. These rankings have established the University as a center for quality teaching and Research nationwide.

ABOUT THE DEPARTMENT OF BOTANY

The Department of Botany at DDUGU was established in 1958 alongside the Faculty of Science. The department has a sanctioned strength of 19 faculty positions, with 13 working faculties. Research areas include environmental pollution, forest ecology, molecular plant taxonomy, stress physiology, nutraceuticals, phycology, plant virology, herbal pesticides, plant physiology, and phytoplasma studies. The department has been awarded numerous projects sponsored by various funding agencies. Additionally, the department maintains a botanical garden spanning approximately 4 hectares, featuring a diverse collection of plant species. In 2020, the department was recognized under the Centre of Excellence Scheme by the Government of Uttar Pradesh.

ABOUT THE CONFERENCE

Sustainable Development Goal 2 is about creating a world free of hunger by 2030. Our agriculture and food production systems are facing various challenges like climate change, soil pollution with heavy metals and uncontrolled utilization of chemical pesticides and herbicides is making it more challenging. It is estimated that the world population will reach about 10 billion in 2050. To achieve zero hunger SDG2, will be a big challenge for us. This National Conference will be focused on recent trends and discoveries in the area of plant science, microbial world, functional foods, food security, sustainable agriculture, machine learning and artificial intelligence (AI) in plant science. The exchange of knowledge in this conference will provide researchers and academicians with the most recent innovations, trends and challenges in the field, while presenting solution in achieving sustainable food security.

THEMES OF THE CONFERENCE

- 1. Plant Diversity and Conservation
- 2. Plant Adaptation and Climate Change
- 3. OMICS in Plant Science
- 4. Microbial World
- 5. Machine Learning and AI in Plant Science

REGISTRATION FEES

PG Students	Rs. 300
Research Scholar	Rs. 500
Faculty Members/Scientist	Rs. 1000

Registration Link:
<https://forms.gle/9si5vqBurpk3yjCE9>

FORMAT OF ABSTRACT/POSTER

Abstract should be prepared in MS Word. Page Size: A4 (210 X 297 mm) Margin: 1inch/2.54 cm from all sides. Mention the Thematic area on the upper left corner of the page. Font: Times New Roman, 12pt, 1.5 spaced, left alignment. Title should be in Times New Roman, 14pt, Bold, 1.5 spaced, Justify alignment. All authors should write their full name. The name of the corresponding author should be prefixed with an asterisk (*). Times New Roman font, 11 pt, Bold, 1.5 spaced, Justify alignment. Complete address of the institution(s) should be given for all author(s) in the same order of sequence of authors. The respective addresses of all authors should be prefixed with superscript numerals if authors belong to more than one organization. Times New Roman font, 10pt size, Italic, 1.5 spaced, Justify alignment. The active email id of the corresponding author should be given bellow the affiliation in Times New Roman font, 11pt, Regular, 1.5 spaced, Justify alignment. Abstract should not be more than 250 words, formatted in MS Word, and single-spaced, using size 12, Times New Roman. Abstract highlights major points of your research and explains the importance of your work. Times New Roman, 11pt, Regular, 1.5 spaced, Justify alignment. Mention 5-7 relevant keywords.

POSTER SIZE: 4 ft. in length and 2.5 ft. in breadth

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Last Date: 02.03.2025

