

Green Harvest

Agriculture Newsletter

January- March 2025 Volume 4, Issue-1



School of Agriculture

Swami Vivekananda University

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About School of Agriculture

The 2020-founded School of Agriculture strives for academic and scientific excellence. The school offers bachelor's degree programs in agriculture, agricultural engineering, and master's degree programs in agribusiness management. In accordance with the Indian Council of Agricultural Research's (ICAR) requirements, the school has created dynamic and targeted curricula to produce skilled workers for academics, agro-based industries, and extension-oriented applications.

Hands-on-training programmes/ Workshops and conference

Workshop on “Discovering new Frontiers in Biovia Material Science and Drug Discovery”

A workshop on “Discovering new Frontiers in Biovia Material Science and Drug Discovery” was organized in a collaboration with Centurian University and Dassault Systems on 11th February, 2025. This oneday workshop mainly focused on application of biological database in structural bioinformatics, ligand binding specifications, 3 D protein structure prediction, Computational approaches for drug discovery etc. Eminent speakers like Dr. Anand Krishnamurthy (Head of technical sales, BIOVIA, Dassault Systems) and Dr. Satyanarayan Dhal (Associate Professor, Centurian University) given speeches on how to develop the structure of conductor, semiconductor, polymer and modeling of single molecule using quantum mechanical approaches. This workshop enhances the knowledge of students and faculties in the field of medical science and biotechnology.



Training program on “Homestead Mushroom Cultivation”

Swami Vivekananda University, in collaboration with BSK Agro Farm, had organized a comprehensive 5-day training program on Homestead Mushroom Cultivation, scheduled to take place from 17th to 21st February, 2025.



This hands-on training initiative was designed to equip participants with the essential knowledge and practical skills needed to start and sustain mushroom cultivation at a small or household scale. Throughout the five days, attendees have explored a wide range of critical topics including the selection of suitable mushroom species, preparation of nutrient-rich substrates, and spawn production techniques. The program was mainly focused on modern cultivation methods, integrated pest and disease management practices, and

effective harvesting and post-harvest handling procedures of mushroom production. Furthermore, participants gained proper insights into the economic aspects of mushroom farming, including marketing strategies and business planning to ensure profitability and sustainability.

This training is ideal for aspiring mushroom growers, agri-entrepreneurs, students, and anyone interested in sustainable agricultural practices. Participants were benefited from expert guidance, interactive sessions, and real-world demonstrations aimed at fostering self-reliance and income generation through mushroom farming.



International conference on “Science and Technological innovations in Agriculture, Life science and Food and Nutrition”

School of Agriculture of Swami Vivekananda University had organized an international conference on “Science and Technological innovations in Agriculture, Life science and Food and Nutrition” from 4th to 6th February, 2025.



Inaugural season of the conference were addressed by Padma Shri Narayan Chakraborty and Prof. Michael Jones from Murdoch University, Australia, and several senior scientists from various institutions like ICAR, ISRO, CSIR. The session highlighted the collaborative spirit of the conference, focusing on advancements in biotechnology, agricultural sciences, and public health. Students from B.Sc. and M.Sc. Agriculture had participated in the conference and delivered oral presentation.



Social Outreach Programme

Krishi mela

Vivekananda University hosted a vibrant and informative Krishi Mela from February 13 to 15, 2025, with the aim of promoting innovation, sustainability, and entrepreneurship in agriculture.



The event brought together farmers, researchers, students, agri-entrepreneurs, and agri-tech companies under

one roof to showcase and exchange knowledge, products, and technologies.

One of the key highlights of the event was the active participation of students, who enthusiastically prepared and displayed a variety of mushroom-based products, traditional pickles, and other value-added agro-products.

The Krishi Mela witnessed a rich participation of agricultural entrepreneurs and self-help groups (SHGs) from various districts of West Bengal, including Birbhum, Purulia, Bankura, and beyond. Each stall represented unique agro-climatic specialties and traditional practices of their respective regions, creating a platform for cross learning and collaboration.

Adding to the technical depth of the mela, CRIJAF (Central Research Institute for Jute and Allied Fibres), a premier institute under ICAR, set up a stall showcasing innovations in jute cultivation, retting technologies, and value-added jute products.

Educational visit

As part of their academic curriculum, the 4th semester students from the School of Agriculture, Swami Vivekananda University, undertook an educational excursion to



Bidhan Chandra Krishi Vishwavidyalaya (BCKV), a premier agricultural university known for its contributions to research and education in agricultural sciences. The visit included a tour of several important facilities within the university. At Mandauri, the students visited the All India Coordinated Research Project (AICRP) on Fruits, where they gained practical insights into the cultivation, management, and research activities associated with various fruit crops. This exposure helped them understand the importance of varietal improvement and integrated orchard management in horticultural science. The students also visited the vermicompost unit, where they observed the process of organic waste conversion into nutrient-rich compost using earthworms. This visit emphasized the role of sustainable and eco-friendly practices in modern agriculture, reinforcing classroom learning with hands-on experience.

Lastly, the group toured the Agronomy Teaching Farm located at Jaguli. Here, they were introduced to a variety of field-level practices including



crop rotation, irrigation management, and the use of modern farm machinery.

The visit provided valuable experiential learning in agronomic principles and farm management techniques. Overall, the excursion offered students an enriching experience by bridging theoretical knowledge with practical applications, thereby enhancing their understanding of real-world agricultural systems

MOU Signed

On February 5, 2025, a significant Memorandum of Understanding (MoU) was signed between Swami Vivekananda University and Murdoch University, Australia, marking a strategic collaboration aimed at advancing academic and research excellence.

The signing ceremony was held in the presence of Prof. Michael Jones, a distinguished academic from Murdoch University, symbolizing the commitment of both institutions to fostering international partnerships in higher education.

This MoU is expected to promote joint research initiatives, facilitate faculty and student exchange programs, and support curriculum development in key interdisciplinary areas. The agreement will also open avenues for collaborative projects, sharing of educational resources, and the organization of international workshops and seminars. By establishing this partnership, both universities aim to strengthen their global outreach and contribute to the development of innovative educational and scientific practices that benefit students, researchers, and society at large.



List of publications

Faculty members of School of Agriculture have published 2 articles in international reputed journals, 2 book chapter under the SVU affiliation.

Thakur, S., Sinha, A., Bag, A. G., Almalki, R. S., & Hossain, A. (2025). Challenges, solutions and policy issues for residue burning in Indian agriculture: searching key steps to reduce environmental pollution. *Air Quality, Atmosphere & Health*, 1-31.

Patra, S. K., Sengupta, S., Das, S. S., & Mazumdar, D. (2025). Assessment of the interaction of copper and zinc with cadmium to reduce its toxicity in heavy metal-contaminated river basin soils. *Discover Soil*, 2(1), 2.

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