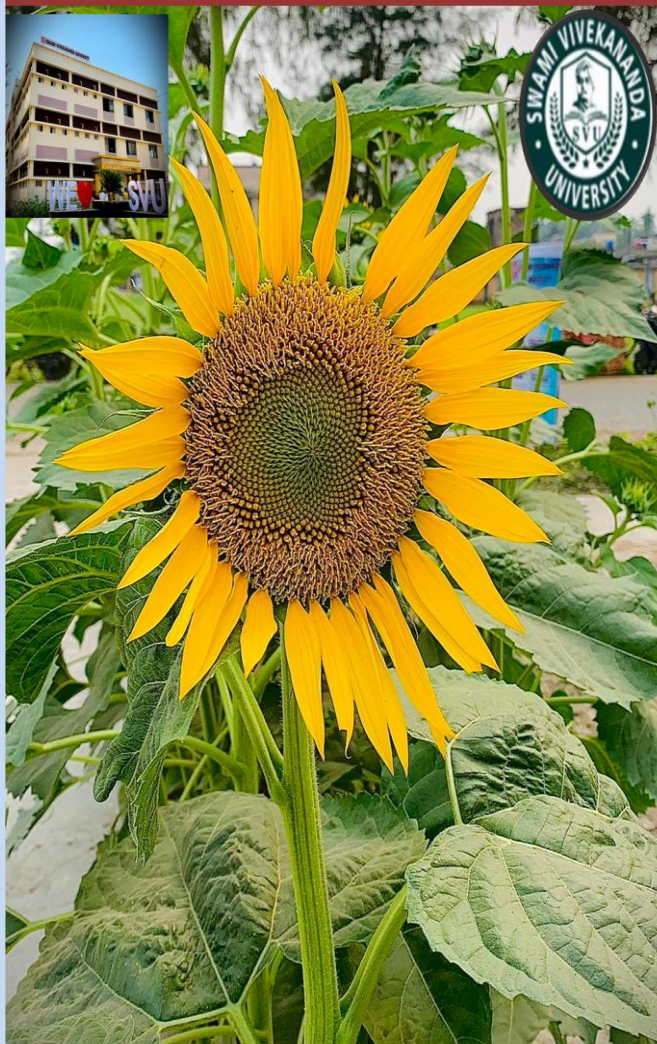


Green Harvest

Agriculture Newsletter

January-March / Volume 1, Issue 1



School of Agriculture

Swami Vivekananda University

Barrackpore, West Bengal-700121, India

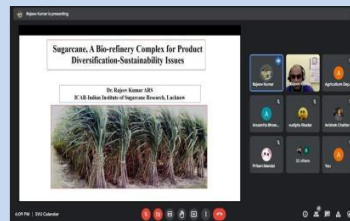
www.swamivivekanandauniversity.ac.in

About School of Agriculture

The School of Agricultural Sciences was established in 2020, aims at achieving excellence in academics and research. Bachelor's degree courses in Agriculture, Agricultural engineering and Master's degree courses in Agribusiness management offered by the School. The school has designed dynamic and focused curricula as per the guidelines of Indian Council of Agricultural Research (ICAR) to develop well-trained manpower for academics, agro-based industry and extension oriented applications.

Workshops/Webinar/Seminar conducted

The School of Agriculture organised workshops with eminent scientists during this period. On 29/01/2022, Dr. Rajeev Kumar Jha, ARS Scientist, Department of Plant Biochemistry, ICAR- Indian Indian Institute of Sugarcane Research, UP provided a talk to about 114 student participants of SVU on the topic "Sugarcane: A Bio-Refinery Complex For Product Diversification-Sustainability Issues". Further on 19/02/2022, Dr. Deepak Kumar, Assistant Professor, Uttar Banga Krishi



Vishwavidyalaya, West Bengal, delivered a talk on "The role of proteomics in understanding the

molecular mechanisms related to stress tolerance in crop plants". An astonishing 200 participants from numerous institutes had a nice interaction with the speaker and was benefited from the knowledge of advanced agricultural science.

National Science Day Celebration

The students of the school of agriculture actively participated in National Science Day celebration during



28/02/2022 to 05/03/2022. Nine different scientific models or prototypes were prepared and demonstrated by the students (Hi-tech agriculture, integrated



farming system, drip irrigation, Formal and informal garden etc.) and were highly appreciated by

one and all.

Internship

The school has offered an opportunity for aspiring students for internship to increase their awareness on the agricultural scenario of the state and gain hands on experience. Students of MBA in Agribusiness Management were placed as interns in the



companies like Pan Seed Pvt Ltd., Arogyam Medisoft Solution Pvt. Ltd and Lila Agrotech Pvt Ltd.

Field exposure and practical

To increase the practical and field knowledge a separate plot was made where winter vegetables like cabbage, cauliflower,



spinach, chilli, tomato, brinjal etc were raised. Students are actively involved in the beautification of university campus. During winter season



flowers like Marigold, Dianthus, Snapdragon, Chrysanthemum, Petunia, and Calendula were planted by the students of BSc agriculture under the supervision of faculties. These fields



were actively used for practical classes of B.Sc. and B.Tech agriculture students. The students actively participated in such activities from land



preparation to crop harvesting.

Novel Technological Nuances

School of Agriculture is continuously striving and trying to bring forward novel agro-technologies for social upliftment.

Black Soldier Fly: A Step towards Animal Food Security

With numerous aspects of utilizing insect predators for biocontrol of different pest species in agroecological system, the domain of applied entomology is flourishing its considerable influence on using insects for developing biologically exhilarated technologies in modern times, as an alternative



protein source of animal feed for future sustainability. The black soldier fly, *Hermetia illucens* is one of the most

efficacious options for bioconversion. The larvae have a very ravenous hunger and can devour a wider array of natural wastes, including

metropolitan natural waste, crop straw also. The larvae have acquired broad consideration because of having significant levels of lipids and proteins and likewise can be utilized as feed for poultry and fish.



Therefore, BSFL is a possible partial replacement for animal food security harnessed to the maximum extent.

List of publications

Faculty members of School of Agriculture have published articles of international repute under the SVU affiliation.

1. Patra, S. K., & **Sengupta, S.** (2022). Effect of gravity-fed drip irrigation and nitrogen management on flowering quality, yield, water and nutrient dynamics of gladiolus in an Indian inceptisol. *Journal of Plant Nutrition*, 1-19. DOI: 10.1080/01904167.2022.2057327
2. **Sengupta, S.**, Dasgupta, S., Bhattacharyya, K., Chakraborty, S., & Dey, P. (2022). A Pandemic Resilient Framework for Sustainable Soil Health and Food Security: Response beyond COVID-19. In *Innovation in Small-Farm Agriculture* (pp. 53-62). CRC Press.
3. **T. Sarkar** and S.K.Sarkar, (2022) Pollination Characteristics and intervarietal hybridization of *Psidium guajava*. *J of Crop and Weed*, 18(1): 01-08.

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