



ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಬೆಂಗಳೂರು

ಗಾಂಧಿ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಬಳ್ಳಾರಿ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560065, ಕರ್ನಾಟಕ, ಭಾರತ

UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE

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INFORMATION

Criteria3 : Research, Innovations and Extension

Key Indicator : 3.3 Innovation Ecosystem

Metric : 3.3.1

Metric Description : Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of technology/knowledge and the outcomes of the same are evident

Write description in maximum of 500 words

UASB has established a robust ecosystem for supporting innovation and Indian Knowledge System (IKS) through the Agri Innovation Centre (AIC), which was inaugurated in 2017. In 2021, AIC expanded its capabilities with the establishment of the BioNEST Agri Innovation Center, supported by the Biotechnology Industry Research Assistance Council (BIRAC) under the BioNEST scheme. This incubator offers cutting-edge biotechnology laboratories, tissue culture facilities, a polyhouse, a mist chamber, a cold room, and a food packaging unit. These facilities are designed to assist startups and researchers in advancing their innovations. Additionally, a Section 8 company was established in 2021 to further extend financial assistance under the Startup India Seed Fund Scheme (SISFS), aiding entrepreneurs across India.

Innovative Initiatives and Knowledge Systems: AIC is distinguished by its Biological Material Repository, which stores a wide range of genetic resources sourced from UASB's gene bank, student research, and partner institutions. Additionally, the Knowledge Centre at AIC curates and provides public access to a comprehensive database of commercially viable technologies from ICAR institutes, state agricultural universities, and other research bodies, making valuable information readily accessible to innovators.

Since its inception, AIC has supported 60 startups and signed Memorandums of Understanding (MoUs) with 44 of them, playing an instrumental role in agricultural innovation. Notable accomplishments of AIC incubatees include receiving 3 recognition awards, 4 BIG BIRAC Grants, 4 SISFS grants, and 2 Elevate Karnataka Awards. AIC has also supported 12 student innovations between 2021 and 2023, providing an incentive of Rs. 25,000 per team. Additionally, AIC has facilitated the granting of 7 patents to startups and has organized over 45 events promoting innovation and entrepreneurship, resulting in the creation of over 500 jobs.

UASB's Intellectual Property (IP) management is governed by its IP policy, which aligns with the Indian Council of Agricultural Research (ICAR) guidelines. Implemented by the Intellectual Property Management Committee (IPMC) under the Directorate of Research since 2016, this policy facilitates IP registration and commercialization. To date, the IPMC has registered 26 crop varieties and filed 18 patent applications, with 12 patents granted in jurisdictions including the US, India, Germany, and Australia. Revenue-sharing guidelines ensure that scientists and research teams are incentivized for their contributions, fostering a culture of collaboration and innovation.

In addition to the AIC, UASB established the Institutional Biosafety Committee in 2010 to ensure compliance with biosafety regulations and enhance agricultural productivity through biotechnology. The university's advanced laboratories support genetic engineering and biotechnology research, with a focus on improving crop traits, developing transgenics, and conducting field trials. These facilities are integral to UASB's mission of utilizing biotechnology to address critical challenges in agriculture.

Through its establishment of the AIC, IPMC, and the Institutional Biosafety Committee, UASB has created a dynamic ecosystem that promotes innovation, supports knowledge creation, and facilitates the transfer of technology. The outcomes of these efforts are evident in the university's significant contributions to the agricultural sector and its support for startups, researchers, and the broader community.



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