AMITY UNIVERSITY
HARYANA
Established vide Government of Haryana Act No. 10 of 2010

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# Directorate of Outcome

# Outcome Report(Event/Activity Organized @ AUH)

## 1. General Information

**Date:** 27 April 2022
**Event Type:** Seminar
**Event Title:** "Long distance macro-molecular signaling in plants: Impact on growth, defence and yield"
**Event Theme:** Developmental Biology of Plants
**Venue:** Conference room, Block D, Amity University Haryana.
**Web/Video Link of the Event:** NA

**Organized by:** Dr.Lakshminarasimhan Krishnaswamy, AIB, AUH
**In collaboration with:** NA
**Event Level:** Institutional
**Student Participation*:**
**Faculty Participation*:**
**Participation from outside AUH*:**
*(Enclose attendance sheets in given format)*
**Event Coordinator(s) with designation:** Prof. Lakshminarasimhan Krishnaswamy

**Details of Expert/Speaker:**

| SN | Country Name | Expert Name | Organization Name | Designation | Specialization | Contact No. | E-mail Id | CV of Expert (Yes/ No) | Major Areas where Amity can Collaborate with expert | Recommended by |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | India | Dr.Anjan Banerjee | Indian Institute of Science Education and Research (IISER, Pune) | Professor, Dean (Research and Development) | Plant Developmental Biology | 9422314681 | akb@iiserpune.ac.in | no | Plant Developmental Biology | Dr.Lakshminarasimhan Krishnaswamy |
| 2 | | | | | | | | | | |

**Criteria of Speaker (Write a paragraph):**
Dr.Anjan Banerjee is a well-known scientist at a highly reputable institute in India.

**Were the guest known in advance and if yes, from what previous interaction (Write a paragraph)?**
Dr.Anjan Banerjee and Dr.Lakshminarasimhan Krishnaswamy had both worked at Iowa State University during the period 2001 – 2007.

## 2. Outcome of the Event with Time Lines (Proposed/Achieved)

| Envisaged Outcome | Tangible/ Intangible | Proposed | Target date & responsibilities (if proposed ) | Details of outcome |
|---|---|---|---|---|
| 1. **Outcome related to Academia Connect** | | | | |
| a) Collaborations for Research Papers / Conference Papers/ Book Chapter etc. | Tangible | Propose | One year | Dr.Machiavelli Singh has proposed to organize a FDP at AUH, in collaboration with IISER Pune. |
| b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc. | NA | | | |
| c) Collaboration for Funded Projects | NA | | | |

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|---|---|---|---|---|
| 2. **Outcome related to Industry Connect** | | | | |
| a) Placement | NA | | | |
| b) Collaborations for Research Papers | NA | | | |
| c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] &Projects/Use of Instruments | NA | | | |
| d) Collaboration for Funded Projects | NA | | | |
| 3. **Outcome related to Society Outreach** | | | | |
| a) Benefit to society in terms of Health & Hygiene | NA | | | |
| b) Benefit to society in terms of Education | NA | | | |
| **4. Outcome related to Students Learning & Grooming** | | | | |
| | Tangible | | | Dr.Anjan Banerjee's talk was very engaging and even undergrad students were actively responding to questions posed by Dr.Banerjee. He appreciated our students. |
| **5. Any other** | | | | |
| | | | | |

## 3. Event Report along with glimpses of the event *(Photographs)*

**3.1 General Introduction of the Event:**
Dr.Anjan Banerjee Dean of Research and Development at IISER Pune visited AUH on the 26th evening; he was accommodated at AUH. On 27th, he presented his research seminar at the D-Block conference room at 11.20. He interacted with students and faculty. He also interacted with MSc 1st year students and motivated them. He left AUH campus around 4 pm

**3.2 Inspiration & Objectives of the Event:** The objective of the event is to hear the recent recent developments in the field of long distance communication in plants.

**3.3 Brief about the address/talk of speakers:** The talk was focussed on the role of long distance transport of macromolecules (RNA-protein complex) from the arial part to the subterranean part in potato. In potato, the signal for shifting from vegetative growth to tuber formation is the duration of day-light. When the plants are grown in short-day light condition, mRNA for a specific transcription factor is complexed with a protein, and transported via the vascular system to the subterranean part of the stem, where the mRNA is expressed and initiates tuber formation.

**3.4 'Take Homes' for the Guest and Attendees;** Long distance communication via macromolecule transport is an interesting area of research in plant biology which has implications in development, growth, and also response to biotic and abiotic stress. Two-way macro-molecule transport occurs in host-plant – parasitic plant interactions too.

**3.5 Future plan for utilizing the contacts developed with the Invited Guests:**
**We will continue our academic interactions and explore opportunities for collaboration.**

**3.6 Budget of the Event (Budget Sanctioned, Total Expenditure & Revenue Generated)**

**3.7 Details of Awards if Any:**

| Awardee Details | Award / Position / Recognition Secured | Title of Innovation/ Start-up Secured the Award / Recognition | Award/Recognition/ Achievement Received for |
|---|---|---|---|
| NA | | | |

*3.8* **Photographs with caption** *(also share high resolution JPEG files of photographs)*

**Dr. Anjan Banerjee delivering lecture at conference room of D-Block (AUH). The pictures above show him delivering the talk, his slides, and the final felicitation by AIB Director Prof. Rajendra Prasad.**

**3.9. Scanned copy of attendance sheets**

**3.10 Few Scanned feedback forms of participants**

| **Attendance Sheet of Faculty Members (AUH)** | | | | |
|---|---|---|---|---|
| Event Title: | | | | Date: |
| **S.No.** | **Participant Faculty Name** | **School** | **Designation** | **Signature** |
| **1** | | | | |
| **2** | | | | |
| **3** | | | | |
| **Name & Signature of the Event Coordinator** | | | | |

| **Attendance Sheet of Students (AUH)** | | | | |
|---|---|---|---|---|
| Event Title: | | | | Date: |
| **S.No.** | **Participant Name** | **School** | **Programme & Semester** | **Signature** |
| | | | | |
| **1** | | | | |
| **2** | | | | |
| **3** | | | | |
| | | | | |

| Name & Signature of the Event Coordinator |
|---|

| Attendance Sheet of Outside Participant | | | | |
|---|---|---|---|---|
| Event Title: | | | | Date: |
| **S.No.** | **Participant Name** | **School** | **Designation/Programme & sem(if student)** | **Signature** |
| **1** | | | | |
| **2** | | | | |
| **3** | | | | |
| **Name & Signature of the Event Coordinator** | | | | |

**Signature of HOI**

**Stamp of the Department**