



**Directorate of Outcome**  
**Outcome Report(Event/Activity Organized @ AUH)**  
**(09-15 May 2022)**

**1. General Information: Research and Development (R & D)**

**Event Title:** Installation of Global Network Facility “MAIA AMOD of CEAMS-NASA”

**Event Theme:** Health Effects of Aerosol Pollution

**Venue:** Amity University Haryana (AUH), Panchgaon-Manesar-Gurugram

**Organized by:** Amity Centre of Excellence in Ocean-Atmospheric Science and Technology (ACOAST) & Environmental Science and Health (ACESH)

**In collaboration with:** NASA, USA-IITD, India

**Event Level:** International

**Student Participation:** One RF

**Faculty Participation: No. of Faculty:** Three

**Participation from outside AUH:** One PDF and One RF

**Event Coordinator(s) with designation:** Prof. Dr. P.C.S. Devara, Director & Head, ACOAST/ACESH & Dr. Sagnik Dey, Associate Professor, CAS, IIT-Delhi

**Details of Expert/Speaker/Resource Person/Judge:**

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. Sofia Rao	IIT-D	PDF	Atmospheric Science & Technology				Ocean-Atmospheric Science and Technology	Dr. Sagnik Dey
2	India	Shreya Srivastava	IIT-D	RF	Atmospheric Science & Technology				Atmospheric Science and Technology	Dr. Sagnik Dey

**Criteria of Inviting Resource Person/Judge/Speaker/Judge (Write a paragraph):**

Dr. Sagnik Dey, Associate Professor, CAS, IIT-D is an active scientist working in “Atmospheric Aerosol Pollution and Human Health: Measurements and Modelling”, which is very close to the objectives of the ACOAST/ACESH of Amity University Haryana (AUH). Dr. Sofia Rao and Shreya Srivastava are his Research students who associated with the Installation of NASA’s “MAIA AMOD” at AUH.

**Were the guest known in advance and if yes, from what previous interaction (Write a paragraph)?**

Yes, the Guests (Dr. Sagnik Dey, IIT-D; Dr. A. Nelsha, Dr. O. Margaret, Dr. C. Sabrina, Dr. H. Rose, Dr. L. Ynag and Dr. J. Sarnat of Emory University Rollins School of Public Health, Georgia Tech., USA were known in advance through several email contacts and webinars prior to the installation of the Global Network Facility at AUH.

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

Envisaged Outcome	Tangible/Intangible	Achieved/Proposed	Target date & responsibilities (if proposed)	Details of outcome
<b>1. Outcome related to Academia Connect</b>				
a) Collaborations for Research Papers / Conference Papers/ Book Chapter etc.	Tangible	Achieved	Facility installed on 11 May 2022. Systematic Environmental Health Studies will commence from the end of May 2022	

b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc.			Joint Research Collaborations between AUH and IIT-D.	
c) Collaboration for Funded Projects			In pipeline	
<b>2. Outcome related to Industry Connect</b>				
a) Placement				
b) Collaborations for Research Papers				
c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments				
d) Collaboration for Funded Projects				
<b>3. Outcome related to Society Outreach</b>				
a) Benefit to society in terms of Health & Hygiene				
b) Benefit to society in terms of Education				
<b>4. Outcome related to Students Learning &amp; Grooming</b>				
<b>5. Any other</b>				

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

#### 3.1 General Introduction of the Event:

**3.2 Inspiration & Objectives of the Event:** Satellite Remote Sensing of Aerosol Pollution Implications on Human Health

**3.3 Brief about the address/talk of speakers:** For more details, please watch the attached **Video Recording** (<https://rsph.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=a9f9be55-71d0-4c5d-9e54-ae7e00368890>)

**3.4 'Take Homes' for the Guest and Attendees:** Implications of air pollution on Epidemiological, Cardiovascular diseases, COPD, Lung Cancer, Respiration etc. through the novel relationships established between AOD and PM2.5.

**3.5 Future plan for utilizing the contacts developed with the Invited Guests:** To develop experimental and seamless modelling techniques for health diagnosis and exposure risk analyses involving different diseases resulting in morbidity and mortality.

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

Initiated as an International Consortium Research Project between NASA and AUH. Budgetary details of this project will be worked out in due course.

#### 3.7 Details of Awards if Any:


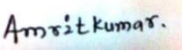
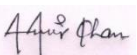
Awardee Details	Award / Position / Recognition Secured	Title of Innovation/ Start-up Secured the Award / Recognition	Award/Recognition/ Achievement Received for

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

**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	Prof. Dr. P.C.S. Devara	ACOAST/ACESH	Director & Professor	
2	Dr. Amrit Kumar	ACOAST/ACESH	Assistant Professor	
3	Dr. A.A. Khan	ACOAST/ACAPC	Assistant Professor & Head	
<b>Name &amp; Signature of the Event Coordinator</b>				

Signature of HOI



**Stamp of the Department**

Endorsed by Director and Professor

