

MEMORANDUM OF UNDERSTANDING (MOU)
AGREEMENT FOR SCIENTIFIC COOPERATION IN RESEARCH BETWEEN
ECOTECH PTY LTD, KNOXFIELD VICTORIA 3180, AUSTRALIA

AND

AMITY UNIVERSITY HARYANA, MANESAR-GURGAON 122413, HARYANA, INDIA

In view of the common wish to undertake scientific research collaboration between the Academic Institution (University) and the Industry in the fields of mutual interest, ECOTECH Pty Ltd, Australia (herein after referred to as ECOTECH) and the Amity University Haryana (herein after referred to as AUH), in harmony with the spirit of scientific and technological collaboration in Atmospheric Sciences research among Universities and Industries to promote the Academia-Industry Relationship, have agreed to sign the following:

AGREEMENT ON SCIENTIFIC REALATIONS BETWEEN ACADEMIA AND INDUSTRY

Objective: Characterization of Particulate Matter under Different Weather and Environmental Conditions using Polar Nephelometer

"Polar Nephelometry" is an innovative and next generation technique for angular scattering measurement of atmospheric particulate characteristics. With the advent of Ecotech-make Aurora 4000 Polar Integrating Multispectral Nephelometer, AUH and ECOTECH will endeavor to enhance the Academia-Industry relationship by supporting the other party's technological and research efforts under the principle of respecting mutual autonomy. In particular, both parties will contribute to the development of the efficacy of Polar Nephelometer for Air Quality Monitoring in and around the University campus.

Following are the Areas for and Contents of Collaboration:

1. Estimation of Integrated Total (Backward plus Forward) Scattering Coefficient (Indicator of Air Quality)
2. Spectral Variation of Scattering Coefficient to Derive the Particle Size Distribution
3. Estimation of Horizontal Visibility and Level of Pollution
4. Determination of Particle Refractive Index and Composition
5. Determination of Asymmetry Factor
6. Particle Shape and Roughness
7. Calibration and Validation of Radiation Transfer through Atmosphere.

The parties will share information about conferences, symposia and seminars organized at National and International levels. The Engineers from ECOTECH will share the knowledge on technology advancements and science outcome with the Faculty Members and Students of AUH during their visit to India, and vice-versa when personnel from AUH visit ECOTECH.

Administrative Aspects and Infrastructure

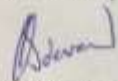
The Model Aurora 4000 Polar Nephelometer System of ECOTECH will be installed by its Engineer in the Climate Research Laboratory (CRL) at AUH. The instrument would be fully maintained during the period of operation at AUH by ECOTECH through their Service Engineer stationed in India. Thus, there are no financial implications from AUH side. The scientific data products of this joint project may be utilized by both the parties in mutual collaboration for maximum scientific benefit, and AUH will have lead in the reports and research publications.

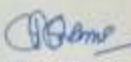
Amity Centre for Ocean-Atmospheric Science and Technology (ACOAST) and Amity Centre for Environmental Science and Health (ACESH) of AUH will act as collaborating Department to look after this joint cooperative research project locally.

The parties will explore joint marketing and/or public relation opportunities resultant from the successful scientific cooperation in research between AUH and ECOTECH. Examples include, but are not limited to, abstract and presentation submissions at selected conferences; publication of media releases and good news stories; photography and video production; and public recognition of the scientific cooperation between AUH and ECOTECH on respective websites.

Term of Agreement


The agreement will come into act with the signatures of the appointed representatives of the two parties and will have duration of about two years. Present agreement may be renewed for additional terms upon the mutual written approval from both parties.


Prof. (Dr.) P.C.S. Devara
Head, ACOAST & ACESH
Amity University Haryana, Gurgaon


Prof. (Dr.) P.B. Sharma
Vice-Chancellor
Amity University Haryana, Gurgaon

Prof. (Dr.) P.B. Sharma
Vice-Chancellor
Amity University Haryana
Gurgaon, 122413 (Gurgaon)


Manoj Kumar
International Business Development Manager,
India & Middle East, ECOTECH Pty Ltd, Australia


Nicholas Dal Sasso
Managing Director
ECOTECH Pty Ltd, Australia

