



**Workshop on Atmospheric Composition and the Asian Summer Monsoon (ACAM)  
Kathmandu, Nepal**

***POSTER SESSIONS***

***Topic 1 Posters – Emissions and Air Quality***

<b>First Name</b>	<b>Last Name</b>	<b>Country</b>	<b>Affiliation</b>	<b>Title of Poster</b>
Pradip	Bhuyan	India	Dibrugarh University	Characteristics of ozone and precursor gases measured at a location in North East India
Satish Kumar	Dixit	India	ICFAI University Raipur	Assessment of particulate matter present in the atmosphere aerosol and its adverse health effects
Sachin	Ghude	India	Indian Institute of tropical Meteorology	OMI based top-down NO <sub>x</sub> emission estimates over India
Fahim Akhtar	Khokhar	Pakistan	Institute of Env. Science and Engineering	First car MAX-DOAS measurements of NO <sub>2</sub> and HCHO column densities along the N5-highway of PK
Tatsuya	Nagashima	Japan	National Institute for Environmental Studies	Source-Receptor analysis of surface ozone in Southeast Asia with global CTM
Manish	Naja	India	ARIES	Ozone soundings from the central Himalayas: Influences of regional pollution and other processes

<b>Pakpong</b>	<b>Pochanart</b>	<b>Thailand</b>	<b>School of Social and Env. Development, Nat'l Institute of Development Admin.</b>	<b>Air pollution in Bangkok during 2011 Thailand floods</b>
<b>Prasannavenkatesh</b>	<b>Ramachandran</b>	<b>India</b>	<b>Doctoral Research Scholar</b>	<b>Short-term variation in air quality of Chennai associated with the firework event 2012 - A case study</b>
<b>Anjum</b>	<b>Rasheed</b>	<b>Pakistan</b>	<b>Fatima Jinnah Women University, The Mall, Rawalpindi 46000, PK</b>	<b>Ambient Air Quality of Islamabad: A Monitoring Based Analysis</b>
<b>Muhammad Zeeshaan</b>	<b>Shahid</b>	<b>China/ Pakistan</b>	<b>Institute of Atmospheric Physics, Chinese Academy of sciences, Beijing</b>	<b>Numerical simulation of diurnal variation of major pollutants with WRF-Chem model over Pakistan</b>
<b>Rajeev Kumar</b>	<b>Singh</b>	<b>India</b>	<b>Department of Geophysics, Banaras Hindu University, Varanasi</b>	<b>Atmospheric forcing due to fireworks aerosols</b>
<b>Manoj K</b>	<b>Srivastava</b>	<b>India</b>	<b>Department of Geophysics, Banaras Hindu University, Varanasi</b>	<b>Black carbon aerosol at Varanasi, India (25° 20' N, 83° 00' E)</b>
<b>Vanisa</b>	<b>Surapipith</b>	<b>Thailand</b>	<b>ICIMOD</b>	<b>Integrated assessment of air quality monitoring, emission inventory and modelling in Thailand</b>
<b>Narisara</b>	<b>Thongboonchoo</b>	<b>Thailand</b>	<b>King Mongkut's Institute of Technology Ladkrabang</b>	<b>The 2010 based year, detailed emission inventory for Thailand</b>
<b>Suresh</b>	<b>Tiwari</b>	<b>India</b>	<b>Indian Institute of Tropical Meteorology New Delhi</b>	<b>Variability in soot particle (Black Carbon) and its association with weather conditions over Delhi, India</b>
<b>Robert</b>	<b>Yokelson</b>	<b>USA</b>	<b>University of Montana</b>	<b>Trace gas and particle emissions from kilns, cooking fires, and garbage burning measured in Mexico and laboratory simulations: Planned work in Nepal and Bhutan</b>

## **TOPIC 2 Posters – Aerosols and Clouds**

<b>Bilkis Ara</b>	<b>Begum</b>	<b>Bangladesh</b>	<b>Bangladesh Atomic Energy Commission</b>	<b>Monitoring of PM10, PM2.5 and black carbon concentrations at urban environments in Bangladesh</b>
<b>Arup</b>	<b>Borgohain</b>	<b>India</b>	<b>North Eastern Space Applications Centre, Dept. of Space, Govt of India, Umiam-793103, Meghalaya</b>	<b>Regional characterization of air pollution over North Eastern Region of India: Its impact on seasonal precipitations</b>
<b>Chiara</b>	<b>Cagnazzo</b>	<b>Italy</b>	<b>ISAC-CNR</b>	<b>Impact of aerosols on the Indian Summer Monsoon in coupled aerosol-climate model simulations</b>
<b>Farrukh</b>	<b>Chishtie</b>	<b>Pakistan</b>	<b>Institute of Space Technology, Dept. of Space Science, Islamabad</b>	<b>Utilizing CALIPSO observations towards studying aerosol effects on precipitation events in Pakistan</b>
<b>Paolo</b>	<b>Cristofanelli</b>	<b>Italy</b>	<b>ISAC-CNR</b>	<b>Mineral dust transport at the Nepal Climate Observatory – Pyramid (27°57' N, 86°48' E, 5079 m a.s.l.)</b>
<b>Dimitris</b>	<b>Kaskaoutis</b>	<b>India</b>	<b>School of Natural Sciences, Shiv Nadar University, Greater Noida, NCR – 201301</b>	<b>The role of meteorology in the accumulation of aerosols over Ganges Basin: Climate implications during severe aerosol episodes</b>
<b>Zoe Lucia</b>	<b>Lüthi</b>	<b>China/ Switzerland</b>	<b>ITP CAS</b>	<b>Carbonaceous aerosols from three sites in central Nepal during monsoon and non-monsoon seasons</b>
<b>Jan Bai</b>	<b>Nee</b>	<b>Taiwan</b>	<b>National Central University, Taiwan</b>	<b>Monthly distribution of cirrus clouds for understanding formation mechanism</b>
<b>Ajay Kumar</b>	<b>Patel</b>	<b>India</b>	<b>Indian Institute of Technology (IIT) Bombay, Mumbai, Maharashtra</b>	<b>Dual polarization Lidar for remote sensing of aerosols and clouds in the atmosphere</b>
<b>Binita</b>	<b>Pathak</b>	<b>India</b>	<b>Centre for Atmos. Studies, Dibrugarh University, Assam</b>	<b>Spatial variability in ARF during pre-monsoon and monsoon seasons of 2009 and 2010</b>

Sachchidanand	Singh	India	CSIR-National Physical Laboratory, New Delhi	Spatial heterogeneity and long-term trends in UV irradiance over Indian Region
Sachchidanand	Singh	India	CSIR-National Physical Laboratory	Seasonal variation of direct radiative effects of aerosols in the UV, visible and IR region at an urban IGP location
P.R.	Sinha	India	TIFR, Balloon Facility [National Ctr of the Govt. of India for Nuclear Sci & Math, Dept. of Atomic Energy] Hyderabad	Aerosol vertical distribution and their modification in the atmosphere over a tropical urban station Hyderabad, India

### ***TOPIC 3 Posters – Convection and Chemistry***

Gregory	Tripoli	USA	University of Wisconsin – Madison	The energetics of tropical convection and potential energy storage in the overworld
Xiaolu	Yan	China	Chinese Academy of Meteorological Sciences	Aura Microwave Limb Sounder upper tropospheric and lower stratospheric H <sub>2</sub> O and O <sub>3</sub> validation over Tibetan Plateau and its adjacent region during the boreal Summer

### ***TOPIC 4 Posters – UT/LS***

Suvarna	Fadnavis	India	Indian Institute of Tropical Meteorology, Pune, India	Transport of aerosol pollution in the UTLS during Asian summer monsoon as simulated by ECHAM5-HAMMOZ model
Paul	Konopka	Germany	Forschungszentrum Juelich	Stratosphere-Troposphere Exchange (STE) driven by the Asian summer monsoon: Implications for the stratospheric budget of water
Markus	Kunze	Germany	Freie Universität Berlin	Impact of the Indian Ocean Dipole Mode on water vapour and ozone in the UTLS as simulated by chemistry climate models

<b>Jiali</b>	<b>Luo</b>	<b>China</b>	<b>Lanzhou University</b>	<b>Anomalous signals around the tropopause and characteristics of stratosphere-troposphere exchange during the Meiyu Season</b>
<b>Rolf</b>	<b>Müller</b>	<b>Germany</b>	<b>Forschungszentrum Jülich, (IEK-7)</b>	<b>Water vapor trends in the upper troposphere and lower stratosphere, trend uncertainties and the resulting radiative forcing</b>
<b>Eriko</b>	<b>Nishimoto</b>	<b>Japan</b>	<b>Kyoto University</b>	<b>Response of temperature around the tropical tropopause to the convective activities</b>
<b>Jasna</b>	<b>Pittman</b>	<b>USA</b>	<b>Harvard University</b>	<b>Impact of the South East Asian Monsoon on the free and upper troposphere over the Central Pacific</b>
<b>Jonathon</b>	<b>Wright</b>	<b>China</b>	<b>Tsinghua University</b>	<b>Effects of differences in reanalysis diabatic heating on transport and composition in the Asian monsoon anticyclone</b>
<b>Kai</b>	<b>Zhang</b>	<b>USA</b>	<b>University of Texas at Austin</b>	<b>Influences of Asian Monsoon on the decadal variation of the Upper Troposphere and Lower Stratosphere water vapor</b>