

- Aerosol monitoring and characterization
- Aerosol instrumentation
- Micro & nanoplastics: a rising threat to the environment, ecosystems, and human health
- Aerosol/air quality modelling and its impact on human health
- Aerosol–cloud–radiation interactions
- Aerosol emission inventories, source apportionment, and mitigation
- Nuclear and radioactive aerosols

Call for Papers

Registered participants are requested to submit an extended abstract ([template in Word](#)) to iastaaries.doon@gmail.com by Sep 1, 2024. Participants are requested to write "Abstract for IASTA 2024, «Participant ID»" (the Participant ID will be assigned during registration) in the subject line while sending the extended abstracts by email. It is proposed to bring out proceedings of the Conference. Acceptance notification will be communicated to authors by Oct 1, 2024, with a request to submit the soft copy of final abstract in camera-ready form by Oct 31, 2024. IASTA 2024 will endeavor to give preference to papers which deal with new advancements, applications, and developments in the aforesaid areas. All papers submitted for presentation in the Conference must be original and should not have been presented elsewhere. All papers will be subjected to review and decisions will be conveyed to the authors accordingly.

Important Dates

Abstract Submission deadline: September 1, 2024
 Abstract acceptance notification: October 15, 2024
 Registration deadline: November 15, 2024
 Conference Date: December 17-20, 2024

Registration Fee *

Category	Early bird (up to 31 Oct. 2024)	After 31 Oct. 2024
Indian delegates (IASTA members)	Rs. 4000	Rs. 5000
Indian delegates (Non-IASTA members)	Rs. 5000	Rs. 6000
Students	Rs. 3000	Rs. 4000
Foreign delegates	USD 200	USD 250
Industry delegates (Indian)	Rs. 9000	Rs. 10000
Industry delegates (Foreign)	USD 200	USD 250

* Taxes as applicable: 18% GST, registration fee (non-refundable) should be paid by cheque or through online transfer to the conference account (Name: Doon University - IASTA Conference 2024; A/C: 321501000004652; IFSC: IOBA0003215 & GST No: 05AAAJD0617J2ZN).

The registration fee includes:

- * Full participation in IASTA 2024 session (17-20 December 2024)
- * Conference materials
- * Tea/Coffee breaks
- * Lunch (on conference days with evening sessions)
- * Conference Dinner

Registration Form



Technical Exhibition

With a view to highlight the advancements made in the area of aerosol science and technology, it is planned to organize a technical exhibition along with the Conference. Equipment manufacturers, service providers, and related agencies are invited to participate in the technical exhibition to highlight their products and services. Exhibition space of about 2.5 m x 2.5 m will be provided to each exhibitor. Those interested may please contact Convener, IASTA 2024

Accommodation

Accommodation will be available in select hotels at the concessional rates for IASTA delegates. Limited hostel accommodation only for students will be available on first cum first serve basis. The delegates will be required to pay for their accommodation.

Travel Information

Dehradun is well connected to the rest of the country by rail, air, and road. The nearest airport is Jolly Grant Airport, located 25 km from the city. Jolly Grant Airport offers good connectivity to Delhi, Mumbai, Jaipur, Hyderabad, and Bengaluru. Doon University is 8 km from Dehradun railway station, which is well connected to the rest of India. Dehradun ISBT Bus Station is 7 km from the venue. It is well connected to ISBT Kashmiri Gate in Delhi with a frequent (hourly) Volvo bus service operated by Uttarakhand Govt. Public Transport, covering the 220 km distance in approximately 4.5 hours.

Nearby Attractions



Contact Details

Dr. Umesh Chandra Dumka (Convener, IASTA 2024), ARIES, Manora Peak, Nainital 263001, Uttarakhand, India.
 Mob: +91-98975 59451
 E-mail: iastaaries.doon@gmail.com
 Dr. Vijay Shridhar (Co-Convenor, IASTA 2024), Doon University, Dehradun 248012
 Mob: +91-97601 18019



Conference of Indian Aerosol Science and Technology Association (IASTA 2024)

on

Aerosol Impacts to Air Quality, Human Health & Climate Change

December 17-20, 2024

VENUE

**School of Environment & Natural Resources,
 Doon University, Dehradun,
 Uttarakhand, India**



Welcome to the IASTA

IASTA Conferences are organized by the Indian Aerosol Science and Technology Association (IASTA). IASTA 2024 will take place in Doon University, Dehradun, Uttarakhand, India between December 17-20, 2024.

The aim of IASTA 2024 is to provide a platform to aerosol researchers, technocrats, policy-makers, and students for presenting their ideas, research work and views. It will give an opportunity to participants to interact, collaborate and contribute towards the growth of aerosol science and engineering in India. The conference will also offer a chance to industries for showcasing their technologies, products, and innovations as well as for participants to gain from this exchange. We look forward to welcome you all to Doon University, Dehradun, Uttarakhand, India.

The conference will offer four days of plenary lectures, contributed papers in the form of platform and poster presentations and an exhibition of different products and systems related to aerosol science and technology and allied areas.

About IASTA

The Indian Aerosol Science and Technology Association (IASTA; iasta.gov.in) is a professional organization for scientists and engineers endeavoring to advance aerosol research in the Indian context. IASTA addresses various interests spanning environmental sciences, occupational safety and public health, industrial and medical applications, and nuclear safety and includes the disciplines relevant to the Indian context like pollution, indoor air quality, and filtration etc. IASTA is a member of the International Aerosol Research Assembly (IARA) and Asian Aerosol Research Association (AARA). Since its inception in 1988, IASTA has been working towards the growth of aerosol science and technology disciplines and their applications in the country by way of organizing conference, workshops and by bringing out biennial bulletins and other publications. It has maintained an active liaison between institutions in India and abroad. IASTA brackets a valuable spread of expertise with its over 650 members encompassing scientific, medical, industrial, and academic domains.

The ARIES (Aryabhatta Research Institute of Observational Sciences) is an autonomous institute functioning under the Department of Science & Technology (DST), Government of India. It is located at Manora Peak (Alt-2 km) in the Nainital District of Uttarakhand. ARIES (<http://www.aries.res.in>) is a premier Atmospheric Sciences, Astronomy & Astrophysics, and Solar Physics research institute. The main research interests of Astronomy & Astrophysics are star cluster, star formation, galactic and extra-galactic astronomy. The research in atmospheric sciences focuses on atmospheric aerosol and trace gas measurements and their impact on climate change. Manora Peak, Nainital is recognized as one of the unique sites for climate change studies in the central Himalayan region.

The **Doon University**, located in the lush green foothills of Shivalik, is dedicated to promoting excellence in teaching and research while offering a full range of multi-disciplinary academic programs at the undergraduate, postgraduate, and doctoral levels. It is a unitary and residential university located on the outskirts of the city and has a beautiful campus with state-of-art infrastructure, stunning architecture, and a soothing environment.

Aiming at creating an autonomous and accountable institution of higher learning, the university was established by the Government of Uttarakhand by the Doon University Act, 2005 (Uttaranchal Adhiniyam Sankhaya 18 of 2005) and recognized under 12 (B) of the UGC Act. School of Environment & Natural Resources (SENR) is a flagship school of Doon University having high scientific output and accorded FIST grant (DST Gol) at departmental level.

Patrons

Prof. Surekha Dangwal, Vice Chancellor, Doon University

Prof. Dipankar Banerjee, Director, ARIES

Dr. A. K. Mohanty, Chairman, AEC & Secretary, DAE

Prof. Pratim Biswas, Professor, University of Miami

Dr. U.C. Mishra, Ex-Director, HS&EG, BARC

National Advisory Committee

Prof. Diwan S. Rawat, Vice Chancellor, Kumaun University

Prof. S. N. Tripathi, President IASTA, IIT Kanpur

Prof. Ram Sagar, Ex-Director, ARIES

Prof. V. K. Jain, Ex-Vice Chancellor, Doon University & Tejpur University

Dr. D. K. Aswal, Director, HS&EG, BARC

Prof. Y. S. Mayya, Adjunct Professor, IIT Bombay

Prof. P. C. S. Devera, Professor, Amity University, Haryana

Prof. Abhay Karandikar, Secretary, DST

Dr. M. Ravichandran, Secretary, MoES

Dr. Leena Nandan, Secretary, MoEFCC

Dr. B. K. Sapra, Scientist, BARC

Prof. Chandra Venkataraman, Professor, IIT Mumbai

Dr. A. P. Dimri, Director, IIGM

Dr. S. D. Attri, Member CAQM in NCR

Dr. Durgesh Pant, DG, UCOST

Dr. Suresh Tiwari, Retd Scientist, IITM

Dr. J. C. Kuniyal, Scientist, GBPNIHESD

Dr. Prakash Chauhan, Director, NRSC

Dr. Bhola Ram Gurjar, Professor, IIT Roorkee

Dr. R. P. Singh, Director IIRS

Dr. Umesh Chandra Dumka, Scientist, ARIES (Convener)

Dr. Vijay Sridhar, Doon University, (Co-Convener)

Technical Program Committee

Prof. Neeraj Rastogi, Professor, PRL

Dr. S. Anand, Scientist, BARC, Mumbai

Dr. Arshad Khan, Scientist, BARC Mumbai

Dr. G. Pandithurai, Scientist, IITM Pune

Dr. M. Venkat Ratnam, Scientist, NARL Gandaki

Dr. Sagnik Dey, Professor, IIT Delhi

Dr. Manish Joshi, Scientist, BARC Mumbai

Prof. Abhijit Chatterjee, Scientist, Bose Institute

Dr. V. K. Soni, Scientist, IMD, Delhi

Dr. V Vinoj, Professor, IIT Bhubaneswar

Dr. Sayantan Sarkar, Professor, IIT Mandi

Dr. Alok S Gautam, Professor, HNBGU Srinagar

Dr. Ashwani Kumar, Scientist, NIO, GOA

Dr. Sanjeev Kimothi, Professor, Graphic Era Deemed to be University

Dr. Yogesh Kant, Scientist, IIRS, Dehradun

Dr. Shweta Yadav, Professor, Central University Jammu

Dr. Manoj K Srivastava, Professor, BHU

Dr. Atul K Srivastava, Scientist, IITM Delhi Branch

Dr. Sachchidanand Singh, Scientist, NPL Delhi

Dr. Ujjwal Kumar, Doon University

Dr. Manish Sharma, Professor, Himgiri Zee University

Dr. Kirpa Ram, Professor, BHU

Dr. Ravindra Khaiwal, Professor, PGI Chandigarh

Dr. Pratima Singh, Scientist, CSTEP

Dr. B Padma Kumari, Scientist, IITM, Pune

Dr. Amit Patel, Scientist, IGCAR

Dr. Shani Tiwari, Scientist, NIO, GOA

Local Organizing Committee

Dr. Manish Naja, Scientist, ARIES

Dr. Narendra Singh, Scientist, ARIES

Dr. Ashish Kumar, Engineer, ARIES

Mr. Chandra Prakash, Engineer, ARIES

Mr. Samresh Bhattacharjee, Engineer, ARIES

Dr. Bharti Paul, PDF, ARIES

Mr. Rahul Sheoran, Research Student, ARIES

Prof. Kusum Arunachalam, Professor, Doon University

Prof. Surendra Singh, Professor, Doon University

Dr. Ujjwal Kumar, Doon University

Dr. Archana Sharma, Doon University

Dr. Achilesh Daverey, Doon University

Dr. Umesh Chandra Dumka, Scientist, ARIES

Dr. Vijay Sridhar, Doon University

Scope of the conference

The conference will focus on the latest developments in aerosol science & technology as well as the insights that the community has gained in the recent years with regards to the impacts of aerosols on human health and climate change, including the following broad areas:

- Indoor air quality and related human health risk assessment
- Bio aerosols and their impact on human health
- Clean energy and sustainable development
- Application of geospatial techniques in air quality and climate change
- Extreme events (dust storms, cloud burst, rainfall, earthquakes)