## About the Institute:

The Indian Institute of Tropical Meteorology was formally established under the UNDP's Special Fund Project initially as the Institute of Tropical Meteorology (ITM) at Pune on November 17, 1962 as a distinct part of the India Meteorological Department (IMD). On 1st April 1971, the Government of India gave it an autonomous status with a new name as the Indian Institute of Tropical Meteorology (IITM). The IITM functions under the Department of Science and Technology, Government of India.

Atmospheric Science has been recognized as an important area of research due to its impact on various human activities, especially agriculture and earth's environment. Hence, the objectives of the Institute are set forth to undertake and encourage research aimed at advancing the present knowledge in Atmospheric Sciences by identifying, planning, collaborating and conducting research programmes on problems of national and international importance. The institute is actively involved in the field observations along with theoretical studies. LASPEX, INODEX, ARMEX, participation in Antarctica Experiment Programmes are the best examples of the same.

## Prof. R. Ananthakrishnan (1911-1999):

After completing D.Sc. in the field of light scattering under the guidance of noble laureate Sir C. V. Raman in 1937, Dr.R. Ananthakrishnan joined IMD and occupied several positions up to DDG. After retirement in 1971 as Director ITM, he continued his research work as Hon. Fellow in IITM. He has been awarded Padmashree in 1969 and Raman Centenary medal in 1988. He contributed scientific research work in every branch of physics. In the field of meteorology he covered several topics such as Aerological diagrams, Atmospheric thermodynamics, Atmospheric pressure oscillations, Errors in upper air data, Monsoon circulation, Tracks of storms and depressions. The publication 'Climatology of Himalayas' was one of his major contributions. There are 110 national and international research papers to his credit along with the book 'An Introduction to Meteorology'. He was deeply associated in organizing and teaching courses in meteorology in University of Cochin and Pune. Under his able guidance 12 persons have been awarded with their Doctorates.

## About Academic Cell:

Academic Cell in this Institute has been formed in September 2003. The major activity involved in the academic cell is coordination of M.Tech (Atoms Sci) course with University of Pune (Institute has signed MoU with University of Pune), which is one of its kind at the national level. The other important activity undertaken by Academic Cell is smooth functioning of every aspect related to the Institute and University of Pune for the research students, registered for their Ph.D.

Scientists in the Institute are dealing with the research projects funded by various agencies like DST, DOD, and ISRO etc. apart from their regular research work. As a result of which there are about 40 students in IITM comprising of Research Fellows, CSIR Fellows, Project Students and others working in various branches of Atmospheric Science, Climate change and Environmental Studies. In addition to this there are about 42 students of M.Tech. M.Sc., B.E. etc doing their final year projects under the guidance of the scientists in the Institutes. To summarize, it is noteworthy that through the activities of the cell, the institute is producing excellent human Resource in the field of Atmospheric Science. In this context, Academic cell of this Institute has decided to organize the First Prof. R.Ananthakrishnan Memorial Conference during 18-19 January 2005 for the students who are working in the field of Atmospheric Sciences and other related fields. This conference is a part of the combined efforts of Academic Cell and the students of the institute.

## Theme:

Understanding and predicting Indian monsoon in different space and time scales is still an open challenge. For this purpose Indian scientists have made extensive efforts in updating numerical models and observational setup. Therefore now a day all branches in the atmospheric sciences are well equipped with High-computational facilities for modeling work and the modern data sets. Thus the **Lead Topics** Identified for Presentation are:

1. Monsoon Studies
2. Climate Change
3. Ocean Atmosphere Interaction
4. Environmental Studies
5. Atmospheric Aerosols and Trace Gases
6. Atmospheric Electricity and Cloud Physics
7. Land Surface Processes and Hydrology
8. Remote Sensing and Satellite Meteorology.
9. Any other field in Atmospheric Science.

This conference is mainly aimed **'By the Students For the students'** and hence this conference will prove its significance by giving golden opportunity to the Research Students working in different areas of Atmospheric Science over India

## Call for Papers:

Participants willing to present their papers are requested to submit the extended abstracts/manuscripts along with registration form on one of the topics listed above. Camera-ready proper formatted contribution will be published as the reviewed book of proceedings

## Submission of oral / Posters Presentations:

Your contribution can be submitted through e-mail or by post not later than **5th December 2004**. The manuscripts should not exceed A4 Size 2 pages, including figures and references. The format of abstract/manuscript can be downloaded from the website of conference. Please indicate the session theme. Acceptance of the presentation both oral and poster will be informed latest by **15th December 2004**.

## About Pune:

Pune is at the confluence of the Mutha and Mula rivers, surrounded by hills and lies in the natural settings having pleasant climate. Pune is a significant milestone in the history of India. The city also served as the Head quarters of the mighty Maratha Empire under the Peshwas. During the era of pre-independence and lifetime of Lokmanya Tilak, Pune had become the nerve of national politics. The city has provided many social reformers, revolutionaries, political leaders, researchers, scientists educationists and players. Pune is now nationally and internationally recognized for its quality of education and hence known as **"Oxford of the East"**. As a result of which many international students are coming here for their higher studies. IITM is situated in the vicinity of various national institutes like IUCAA, NCRA, NCL, ARDE, HEMRL and University of Pune etc., which give, rise to an excellent academic atmosphere. All these institutes are involved in some way or other in collaborative work with IITM. Pune today, is a modern city, but still retains its old values and traditions. We look forward for your participation.

## Pune Weather in January:

Temperature Range: 10 to 30$^0$C

Rainfall : Rare

It is advisable to carry light woolen clothes during this period of visit

## Registration form

1. **Name and Designation:**
2. **E-Mail Address:**
3. **Mailing Address**
4. **Date of Birth:**
5. **Organization/University**
6. **Highest Educational Qualification:**
7. **Theme Code:**
8. **Abstract Title:**
9. **Accommodation Required: Yes/No**

**Signature of the applicant**

10. **Recommendation of Head of the Institute/Department**

**Signature of the Head of the Institute/Department**

**Registration Fee: Rs. 200/- (Two Hundred Only)**

**To be send in advance by D.D in favor of Director, IITM payable at Pune or to be paid at the time of registration.**

**Dates to Remember:**
Submission of Abstracts: **5th December 2004**
Notification of Acceptance: **15th December 2004**
Symposium Dates: **18-19 January 2005**

**Scientific Advisory Committee:**

| | | |
|---|---|---|
| 1. | Dr. (Mrs) P. S. Salvekar | Sc-'F' |
| 2. | Dr. R. Krishnan | Sc-'E' |
| 3. | Dr. G. Beig | Sc-'D' |
| 4. | Dr. B. S. Murty | Sc-'C' |
| 5. | Dr. H. P. Borgaonkar | Sc-'C' |
| 6. | Dr. C. Gnanaseelan | Sc-'C' |
| 7. | Dr. (Mrs) Ashwini Kulkarni | Sc-'C' |
| 8. | Dr. G. Pandithurai | Sc-'C' |
| 9. | Mr. P. Mukhopadhyay | Sc-'B' |

**Local Organizing Committee:**

1. Mr. Vinay Kumar
2. Mr. Pankaj Kumar
3. Mr. Ramesh Kumar Yadav
4. Mr. Sachin Gunthe
5. Mr. Sachin Bhandare
6. Ms. Rohini Bhawar

**Venue:**
Varahamihira Conference Hall,

**Address for Correspondence:**
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http://www.tropmet.res.in

# First Prof. R. Ananthakrishnan Memorial Conference On

## *Atmospheric Science, Climate Change and Environmental Studies*

**18 – 19 January 2005**

**Organized By**

**Academic Cell,**
**Indian Institute of Tropical Meteorology,**
**Pune-411 008**
**INDIA**