

**Physical Research Laboratory
Ahmedabad**

Space & Atmospheric Sciences Division

Division Seminar

Title: “Atmospheric Chemistry and Dynamics over the Indian region: Modeling perspective”

Speaker: Dr. Narendra Ojha

Date: 02 December 2019

Venue: Ground Floor Lecture Hall

Time: 16:00 hrs

Highlight of the talk:

The changes in the air quality and climate are mediated through the atmospheric chemistry. Indian subcontinent is a vast geographical system with very diverse natural and anthropogenic processes leading to complexities at both spatial and temporal scales. In this talk, a brief overview of different atmospheric models (box, regional, and global) and their use for specific applications will be presented. I would focus on the results evaluating the performance of such models in reproducing the atmospheric chemistry over the Indian region. A few recent modeling applications pertinent to the stratosphere-troposphere exchange and air quality aspects will also be discussed.

All interested are welcome.