



## ***Physical Research Laboratory***

### **Tuesday Seminar**

#### **Nitrogen- Inside and out of the soils**

##### **Abstract**

Nitrogen is a fundamental element required to sustain all life forms. Although there is plenty of nitrogen available in the atmosphere, basic of the hierarchy- the primary productivity which also behaves as the largest natural sink of atmospheric carbon dioxide, is limited by the availability of active forms of nitrogen. Where nitrogen in form of ammonium and nitrate behaves as a nutrient required by primary producers, in another form (nitrous oxide) can act as a potent greenhouse gas. Recent studies shows that the behavior of nitrogen transformations can largely be affected by the anthropogenic activities and climate change. During my talk, I would discuss about the importance of various forms of nitrogen and their dynamics in the terrestrial ecosystems and its status in India.

**Speaker: Ms. Niharika Sharma**  
**SRF, GSDN**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
6-June-2017	16:00 hrs	Ground Floor Lecture Hall

**All are invited to attend and participate in discussion**  
**Tea at 15:30 hrs**

***A. K. Sudheer, Geosciences Division***