



*Geosciences Division*  
*Physical Research Laboratory*

## **Tuesday Seminar**

### **A study of nitrogen dynamics in soils of India**

#### **Abstract**

Study of terrestrial nitrogen cycling is necessary as it plays an important role in growth and development of plants growing in that ecosystem. Rates of various processes within nitrogen cycle like mineralization and nitrification determine the presence or absence of nutrients and hence the growth of plants and microbes in that particular ecosystem. In India, net rates of mineralization and nitrification have been frequently studied but no literature is available for gross rates of these processes in soils of India. Gross rates are important in order to understand actual production and consumption of individual nutrient, establish and redefine land management and fertilizer application practices and thus to achieve sustainable development. This talk will discuss the attempts being made towards measuring these important rates in different ecosystems of India.

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

<b>Date</b>	<b>Time</b>	<b>Venue</b>
08-December-2015	16:00 hrs	Ground Floor Lecture Hall

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