



*Geosciences Division  
Physical Research Laboratory*

## **Tuesday Seminar**

### **Nitrogen cycling in terrestrial ecosystems**

#### **Abstract**

Nitrogen cycling in terrestrial ecosystems can play an important role in primary productivity and climate change. Study of gross N transformation rates can enable us to determine the capacity of plants to fix atmospheric carbon dioxide and hence the productivity in given set of climatic conditions. Also, emission of nitrous oxide ( $N_2O$ ) as an intermediate product of N-cycling is not fully understood and there remains lack of information regarding the balance in  $N_2O$  budgets. In my talk, I would discuss these issues in detail and mention the application of stable isotopes in determination of each process. I would also discuss about different ecozones within India and rationale behind selecting such systems as my study areas.

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

<b>Date</b>	<b>Time</b>	<b>Venue</b>
9-August-2016	16:00 hrs	Ground Floor Lecture Hall

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

*Neeraj Rastogi, Seminar Secretary, Geosciences Division*