



*Geosciences Division*  
*Physical Research Laboratory*

## **Tuesday Seminar**

### **Evidences of solar forcing on late Quaternary paleo-monsoonal records from the equatorial Indian Ocean**

#### **Abstract**

The late quaternary period witnessed drastic climate perturbations in the form of glacial-interglacial cycles as results of solar forcing. Migration of the Intertropical Convergence Zone (ITCZ) is significantly influenced by solar variability thereby causing seasonal reversal of monsoonal winds over India and adjacent regions. Based on geochemical and isotopic proxies, changing monsoonal intensity and its influence on overhead productivity during late quaternary period from the intermixing zone of the Bay of Bengal and the Arabian Sea would be discussed. The study demonstrates the solar forcing of various processes as deciphered from solar periodicities in the sediment records of the equatorial Indian ocean.

**Speaker: Ms. Chandana K R**  
**SRF, GSDN**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
23-May-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*