



Geosciences Division
Physical Research Laboratory

Tuesday Seminar

**Holocene Monsoon variability using stalagmite records
from Dandak and Kotumsar caves, India**

Abstract

Variability and trends in the Indian Summer Monsoon (ISM) during mid-Holocene time period has remained a debatable issue. While some proxy based records show changes to be a gradual process in response to decreasing solar insolation, there are postulates of abrupt decline at 6 ka as well. We have attempted to address this long standing controversy using a highly resolved ISM reconstruction, based on $\delta^{18}\text{O}$ measurements ($n = 5040$) on stalagmite samples, from Dandak and Kotumsar caves from the Core Monsoon Zone of India. Results will be discussed in the seminar.

**Speaker: Ms. Shraddha Band
SRF, GSDN**

Date	Time	Venue
14-June-2016	16:00 hrs	Ground Floor Lecture Hall

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