



***Geosciences Division
Physical Research Laboratory***

Tuesday Seminar

**A geochemical approach to the history of sedimentation in
the Neoproterozoic Marwar Basin, Rajasthan**

Abstract

The Late Neoproterozoic to Early Cambrian (750Ma- 500Ma) witnessed remarkable events in the Earth's history such as the break-up of the supercontinent Rodinia and amalgamation of Gondwanaland, evolution of multi-cellular life, a major oxygenation event and the evolution of a climate system that is similar to the present day. These global events often leave their imprints in the contemporaneous sedimentary rocks.

In the talk, I shall discuss our ongoing efforts in unravelling some of these mysteries through geochemical studies of the sediments deposited in the Neoproterozoic Marwar basin of Rajasthan. Results of our study aimed at constraining the age, understanding the provenance, paleogeography and tectonic setting of the basin shall be presented in the talk.

**Speaker: Mr. Bivin Geo George
SRF, GSDN**

Date	Time	Venue
19-July-2016	16:00 hrs	Ground Floor Lecture Hall

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