



Geosciences Division
Physical Research Laboratory

Tuesday Seminar

Zircons are forever

Abstract

Zircon (ZrSiO_4) is an omnipresent trace mineral in most silicate rocks present on the surface of the earth. Because of its refractory nature and ability to concentrate uranium and exclude lead it has been widely used as a U-Pb geochronometre for igneous rocks from the very beginning of the Solar System (in meteorites) to the Present. The only physical evidence from the earliest phases of Earth's evolution comes from zircons. Oxygen isotope ratios from such zircons have been used to infer about the nature of the earliest hydrosphere and its habitability for life. There are countless usefulness of zircons in studies in Earth and Planetary Sciences. In my talk I would highlight some of these and make a case for zircon research for Indian Geology.

Speaker: Prof. J. S. Ray
GSDN

Date	Time	Venue
5-April -2016	16:00 hrs	Ground Floor Lecture Hall

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