



Geosciences Division
Physical Research Laboratory

Tuesday Seminar

Biogeochemical study of freshwater ecosystems in India

Abstract

Freshwater ecosystems are necessary to sustain life. Humans rely on freshwater systems not only for drinking water, but also for agriculture, transportation, energy production, industrial processes, and the extraction of fish and other products. Excess reactive nitrogen from anthropogenic sources such as fertilizers, industrial sewage, and other terrestrial inputs has led to large changes in aquatic biogeochemical cycles which, in turn, led to eutrophication and hence, water quality degradation, oxygen deficiency, fish killing and shift in species composition. Therefore, mechanisms by which freshwater systems can reduce local and downstream nutrient concentrations are becoming increasingly important and for that we need to first identify the source of these excess nutrients. In this talk, I will briefly discuss biogeochemistry of some of the lakes and wetlands in India and proposed plan for my PhD work.

**Speaker: Ms. Rupa Mukherjee
JRF, GSDN**

Date	Time	Venue
9-Dec-2014	16:00 hrs	Ground Floor Lecture Hall

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