



Physical Research Laboratory

Tuesday Seminar

Sources and sinks of nitrous oxide in the ecosystem

Abstract

Nitrous oxide is an undervalued but an important long-lived greenhouse gas and ozone-depleting entity, which has increased by almost 20 percent compared to the pre-industrial era, thus becoming a global concern. In this talk, the concepts of global warming, the greenhouse effect, and global emission rates of N_2O from various reservoirs will be discussed. N_2O production by different microbial pathways and factors influencing its emission in the terrestrial ecosystem will also be discussed. At last, the importance of the stable isotopic composition of N_2O in identifying the processes responsible for its production and major sources will be introduced.

**Speaker: Mr. Mohammad Atif Khan
JRF, GSDN**

Date	Time	Venue
4-December-2018	16:00 hrs	Ground Floor Lecture Hall

**All are invited to attend and participate in discussion
Tea at 15:30 Hrs
(Near Ground Floor Lecture Hall Foyer)**

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