



***Geosciences Division***  
***Physical Research Laboratory***

**Tuesday Seminar**

**Multi-elemental and Isotopic ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) Characterization  
and Authentication of the Indian Basmati Rice**

**Abstract:**

Globalization of agricultural products has increased risk of adulteration of premium quality food products. In order to protect loyal producers and consumer's right for safe and healthy food, Geographical Indication (GI) is an effective activity, which is developed especially for protecting the geographical authenticity of food stuffs. Multi-elemental profiling, REEs pattern, isotopic composition of food plays important role in checking quality, safety and authenticity of GI protected food stuff. In the present research work, globally demanded, premium cost, Indian GIs protected agricultural product, authentic Basmati rice samples were analyzed for its multi-elemental profiling and  $^{87}\text{Sr}/^{86}\text{Sr}$  ratio fingerprinting. The results obtained for same will be discussed in the seminar.

**Speaker: Dr. Rupali Lagad**

**PDF, GSDN**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
17-Mar-2015	16:00 hrs	Ground Floor Lecture Hall

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

***Neeraj Rastogi, Seminar Secretary, Geosciences Division***