



Ministry of Earth Sciences  
Government of India



BANARAS HINDU  
UNIVERSITY

30<sup>th</sup> Live Talk

12:00 – 01:00 PM IST

MoES

Webinar Series

25<sup>th</sup> August  
2020

Tuesday

# Kimberlites, related rocks, and Diamonds: Mysteries of the Earth's Mantle

## About the Talk

Human being is always fascinated by the outer space as well as the Planet Earth's inaccessible deeper parts. Earth's mantle is the ultimate source for several rock types as well for the mineral deposits we find today on the continents and ocean floors. This talk is about deeper (> 150 km) mantle derived rare and exotic rock types - kimberlites lamprophyres and lamproites and their entrained xenoliths/xenocrysts (including diamonds)- and their geodynamic significance in understanding supercontinents, plate tectonics, mantle plumes, and mass extinctions.

## About the Speaker

Specialises in mineralogy, igneous petrology and geochemistry, has PhDs from Osmania and Cambridge Universities and did PDF from TU Clausthal, Germany. Published 120 research papers and guided 10 PhDs. He is an FNA, FASc and also Chief Editor of JESS (IASc-Springer). Bagged Cambridge-Nehru Scholarship, Humboldt Fellowship, National Mineral Award, Krishnan Medal, PRL award, B.Rama Rao Centenary award, Anni Talwani Prize, Coggin Brown Medal, UGC Research award, C.N.R.Rao award etc.



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<https://youtu.be/eoAkM2g6bko>