

G. Vinay Kumar
Project Scientist-B
Cryosphere Science Division

Area of Research

Remote Sensing and GIS applications in Cryosphere: Glacier Mass Balance, Snow cover and albedo variations, Snow and glacier melt runoff

Academic Career:

2013-present Ph.D in Civil Engineering (Remote Sensing and GIS applications in Glaciology).
2011 M.Tech in Remote Sensing and GIS; conducted at SASE, DRDO in collaboration with Bharathair University, India.
2009 M.Sc in Geo-Spatial Science and Technology at Institute of Science and Technology, JNTU, India.
2007 B.Sc in Maths, Physics, Chemistry from Andhra University.

Professional Experience:

Aug 2015- : Project Scientist – B, Climate & Cryosphere Division, ESSO-NCAOR, India
Jan 2011- Aug 2015: Research Fellow, Divecha Centre for Climate Change, IISC, India.

Faculty Experience:

Feb-Apr, 2013: Guest faculty for webGIS at Karnataka State Centre for Remote Sensing, India

Awards/Recognitions:

Fellowship by President of Iceland and University of Iceland (Climate Research Fund).
Secured “First position” in M.Tech thesis defense.

Membership:

Life Member of Indian Society of Remote Sensing
Life Member for International Association of Hydrological Sciences
Annual Member for International Glaciological Society
Life Member for International Association of Engineers

Field Trips:

Participated in field expeditions to glaciers in Arctic and Himalaya.

Publications:

1. A.V. Kulkarni, **G.Vinay Kumar**, H.S.Negi, J. Srinivasan and S.K. Satheesh.: *The effect of black carbon on reflectance of snow in the accumulation area of glaciers in the Baspa basin, Himachal Pradesh, India*, The Cryosphere Discuss., 7, 1359-1382, 2013
2. Negi.H.S, Prem Datt, Narinder Thakur, Ashwagosha Ganju, Vijay Bhatia, **G.Vinay Kumar**.: *Observed spatio-temporal changes of winter snow albedo over the north-west Himalaya* (Journal of Glaciology, In press)
3. **G. Vinay Kumar**, A.V.Kulkarni, A.K. Gupta .: *Estimation of glacial retreat and mass loss for glaciers in Baspa basin, India* (Geocarto International, In press)