



SUNRAISE: Sustainable Natural  
Resource Use in Arctic and High  
Mountainous Areas  
**Saurabh Kaushik**  
**BIOSKETCH**



Saurabh Kaushik is a 3<sup>rd</sup> year PhD student at the faculty of Physical Sciences, AcSIR-CSIO, Chandigarh India. Prior joining to PhD he obtained M.Sc. Remote Sensing &GIS from Kumaun University, Nainital. He was university topper and subsequently got precious DST-INSPIRE fellowship.

**Academic interest:** His research interest centres around Cryosphere, Remote Sensing, Image processing and Climate change.

**PhD topic:** His doctoral research focus on investigation of Himalayan Cryosphere using a synergistic approach of remote sensing, image processing and machine learning. His doctoral research attempt to provide a comprehensive picture of Sikkim Cryosphere with a focus on glacier dynamics, spatio-temporal changes in snow cover and risk assessment of Glacial Lake Outburst Flood. He authored 2 research articles and 1 review article in a peer-reviewed journals. He presented his research work at 5<sup>th</sup> Young Earth Scientist Congress held in Berlin, Germany and got best poster presentation award for the same.

**PhD supervisor:** For his PhD thesis, he is working under joint supervision of Prof P.K. Joshi and Dr Tejpal Singh.