World Academy of Science, Engineering and Technology
International Journal of Geological and Environmental Engineering
Vol:16, No:08, 2022

# Geomorphological Features and their Significance Along Dhauli Ganga River Valley in North-Eastern Kumaun Himalaya in Pithauragah District, Uttarakhand, India

**Authors :** Puran Chandra Joshi

**Abstract :** The Himalaya is the newest mountain system on this earth. This highest as well as fragile mountain system is still rising up. The tectonic activities have been experienced by this entire area, so the geomorphology of the region is affected by it. As we know, geomorphology is the study of landforms and their processes on the earth surface. These landforms are very important for human beings and other creatures on this planet. Present paper traces out the geomorphological features and their significance along Dhauli Ganga river valley in the Himalaya. Study area falls in higher Himalaya, which has experienced glacial and fluvial processes. Dhauli Ganga river is a considerable tributary of river kali, which is the part of huge Gangetic system. Dhauli originates in the form of two tributaries from valley glaciers of the southern slopes of Kumaun-Tibbet water divide. The upper catchment of this river has been carved by the glacial activity. The area of investigation is a remote regionin, Kumaun Himalaya. The native people do seasonal migration due to harsh winters. In summers, they return back with their cattle. In this season, they also grow potatoes and pulses, especiallybeanson river terraces. This study is important for making policies in the entire area. Area has witnessed big landslide in the recent past. So, the present study becomes more important.

**Keywords :** himalaya, geomorphology, glacial, tectonics
**Conference Title :** ICGAG 2022 : International Conference on Geomorphology and Applied Geography
**Conference Location :** Rome, Italy
**Conference Dates :** August 30-31, 2022