ANALYSIS OF DIGITAL ELEVATION MODEL OF RAJGARH FOREST DIVISION HIMACHAL PRADESH USING SHUTTLE RADAR TOPOGRAPHY MISSION DATA AND GIS TECHNIQUES

Varun Attri*, D.P. Sharma, Vipasha Negi and Navjot Singh Kaler

Department of Silviculture and Agroforestry,
Dr. Y.S. Parmar University of Horticulture and Forestry,
Nauni, Solan (Himachal Pradesh) 173230
Email: attrivarun86@yahoo.com

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Abstract: The present study highlights the use of DEM and its analysis on aspects. SRTM data and GIS techniques are helpful to analyze the Elevation characteristics of hilly terrain. The SRTM data were downloaded and used for the present study. The study area covers an area of 820.02 Km² in parts of Rajgarh Forest Division, Himachal Pradesh. The result of elevation variation using DEM was analyzed and its classification is given below. Using this DEM output as input in ArcGIS to prepare the aspect details of the study area is attempted. This output has immense application in proper planning and management of various natural resources and also highly useful for the natural disaster management studies.

Keywords: Relief, GIS, Remote Sensing, SRTM, Aspect

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*Corresponding Author