## **Abstract Details**

Title: Mapping of Crown Density in Barwala Block, Panchkula District using Geo-Informatics

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**Abstract:** The present studies cover the mapping an existing forest resources of Barwala block of Pachkula district. In analyzing the forest resources of the state, remote sensing approach was adopted. Remote sensing capabilities have evolved rapidly over the past quarter century with the development of new satellites and sensors, information management technologies, and image interpretation techniques. The present study demonstrates the scope, methodology and outcomes of forest resource mapping of Barwala block of Pachkula district. Cartosat-1 using approach for the mapping of various forest density mapping on 1:10,000 scale. As per National Remote Sensing Centre (NRSC), the forest area was classified into six categories based on crown density of trees 0-10, 10-20, 20-40, 40-60, 60-80 and above 80%. The maximum area was found under 40-60% density class which is about 21.50 sq.km and constituting 9.13% of total geographical area. Most of The forest found in this block is moderate dense forest.

Keywords: Crown Density, Geoinformatics and Cartosat-1.