

Abstract Hedge et al:
Supervised Land-cover Classification: a fuzzy logic technique.

This research is concerned with land cover changes occurred in the Shimla district of Himachal Pradesh in India between 1987 and 1999. The LANDSAT – TM of 1987 and the IRS – 1D of 1999 satellite images are classified using fuzzy supervised classification approach to get the information about the area. To model land cover change, a fuzzy post-classification comparison approach is used, which uses the data of fuzzy classified images as information. This work successfully explores the use of fuzzy operators in identifying different land cover classes in a satellite image and quantifying changes, nature and direction of changes occurring in land cover over a period of time.