

CHAPTER 19

ENVIRONMENTAL STUDIES

Doctoral Theses

175. TUISEM SHIMRAH
**Land Use Land Cover Change Analysis in Shifting Cultivation
Areas in West Siang District in Arunachal Pradesh.**
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Abstract

Analyses the agricultural and forest ecosystem structure, diversity and functional interlinkages in a village landscape, trend of land use land cover changes and the sustainability of the landscape. Studies characterization of ecosystem diversity in two village landscapes; one each in easily accessible and other highly inaccessible landscapes; study of vegetation attributes, land use intensity, management, productivity and soil physio-chemical characteristics in these two village landscapes; Socio economy of two village landscapes and Effect of land use land cover and management practices on ecological attributes.

Contents

1. Introduction. 2. Review of literature. 3. Study site. 4. Land use land cover pattern and change analysis. 5. Biodiversity analysis. 6. Physico-chemical properties of soil. 7. Shifting cultivation. 8. Modelling and predicting land use land cover changes. 9. Forest, shifting agriculture and strategies for sustainable landscape.