

CHAPTER 20

GEOGRAPHY

Doctoral Theses

185. ALI ASGHAR TORAHI
Application of Remote Sensing and GIS for Sustainable Natural Resources Management in Zagros Mountains, South-West Iran.
Supervisor : Dr. S C Rai
Th 17982

Abstract

In this study, three main information gaps in the zagros mountains are addressed: (i) the capacity of landsat TM data for mapping land-cover in a highly dynamic natural resources in zagros mountainous environment; (ii) investigation of the trend of the land-cover changes over time and space; and (iii) the development of spatial models for predicting the probability of land-cover change based on their determining biophysical and human factors. It also generate spatial information on main basic natural resources such as forest, rangelands and water body in the area during the period 1990-2006 and provide spatially explicit tools useful for anticipating area.

Contents

1. Introduction. 2. Background of the study area. 3. Materials and methods. 4. Status of natural resources. 5. Modeling natural resources for sustainable management. Summary. References. Photoplates and appendix.

186. GUPTA (Rupesh Kumar)
Monitoring Land use Change and Environmental Impacts in Jaipur City using Geoinformatics.
Supervisor : Dr. R B Singh
Th 17985

Abstract

The present study is an attempt to find out existing land use/ land cover, land transformation, change detection of land use

in Jaipur city. The land transformation assessment is regarded as one of the important aspects before setting up a module for sustainable development of the region. Remote sensing technique has been and will continue to be a very important factor in the improvement of the present systems of acquiring and generating land use data. Aerial photo interpretation techniques have been used for mapping and monitoring of rural and urban land use for management and planning purposes.

Contents

1. Introduction. 2. Profile of the study area. 3. Remote sensing and GIS for urban land use analysis: Synoptic review. 4. Spatial pattern of land use and land cover. 5. Temporal pattern of land use and land cover. 6. Environmental Implications of land use and land cover change. 7. Strategy for sustainable urban development. 8. Summary and conclusion.

187. KUMRIA (Poonam)
Forest Resource Assessment: A case Study of Dehradun Valley.
 Supervisor : Dr. R B Singh
 Th 17986

Abstract

It assess the spatio-temporal changes in the forest cover, quality of forest on the basis of social - economic factors and investigate the role of institutions and community response in the management and conservation of forest of Dehradun Valley

Contents

1. Introduction. 2. Geographical profile of the study area. 3. Spatio-temporal changes in forest cover. 4. Physical assessment of forest resource. 5. Social and economic assessment of forest resource. 6. Institutional dimensions of forest resource. 7. Joint forest management: Performance assessment. Summary and conclusion.

188. SHARMA (Sheetal)
Dynamics of Development in Central National Capital Region.
 Supervisor : Dr. Anjan Sen
 Th 17984

Abstract

The present research work deals with a micro-level study, where all 514 settlements (both urban and rural) comprising central NCR, whereas 23 urban and 491 rural settlements, form part of the study area. The study is based upon secondary data sources, available from district census handbook of India; at town and village level for the decennial years 1981, 1991 and 2001. The work determines the level of urban influence and functional hierarchy in each settlement. The study reveals the occurrence of intraregional differentials in population characteristics and infrastructural facilities, This addresses issues of development in rural settlements and growth centers, in the emerging urban complex within central NCR.

Contents

1. Introduction. 2. Dynamics of landuse. 3. Dynamics of population. 4. Dynamics of infrastructures. 5. Levels of development. 6. Projections. 7. Summary and conclusion.

189. SUBODH KUMAR

Hazards and Associated Risks in Upper Bhagirathi Basin.

Supervisor : Dr. R B Singh

Th 17983

Abstract

It attempts to study in a holistic perspective the hazards and risks associated to it. It also strives towards formulation of few environmentally sound measures, aimed at the protection of fragile mountain ecosystem. In the era of rapid industrial and technological progress, which leads to emission of greenhouse gases, this study contribute towards the conservation of mountain ecosystem in genral and mitigating the hazards in particular.

Contents

1. Introduction. 2. Geographical profile of study area. 3. Mountain hazard, risk and vulnerability. 4. Seismic hazard: Earthquake. 5. Landslide. 6. Flashflood. 7. Glacial Hazards. 8. Integrated hazard risk assessment and management strategies. 9. Summary and conclusion.

190. TEWARI (Preeti)
Division of Work and Gendered Space in Delhi.
 Supervisor : Dr. Anshu
 Th 17981

Abstract

This study examines the role of gendered space in shaping the work histories of women in Delhi. It look at many different women's lives rather than searching for a typical woman representative of all women in Delhi. Through the lives of these women the study seeks to understand changes in gender roles and equations in public and private spaces and the different trajectories of evolution in male and female gender roles. The women who participated in the study opened up a part of their lives to academic scrutiny.

Contents

1. Introduction.
2. Conceptual framework and review of literature.
3. Gendering of space in India: A spatio-temporal perspective.
4. The study area.
5. Division of domestic labour in Delhi.
6. Balancing domestic work with work in public space.
7. Conclusions, reflections and suggestions.

M.Phil Dissertations

191. GIRISH KUMAR
Role of Microfinance in Poverty Alleviation and Empowerment in Varanasi, Uttar Pradesh.
 Supervisor : Dr. Anjan Sen
192. GURJAR (Ajay Kumar)
Vulnerability to Climate Change of Arid Region of Rajasthan.
 Supervisor : Dr. R B Singh
193. MEDHI (Ankita)
Impact of Land Use Land Cover Change on Rhino Habitat in Kaziranga National Park, Assam.
 Supervisor : Dr. R B Singh
194. NATH (Rituparna)
Urban Climate Change in Kolkata Metropolitan Region.
 Supervisor : Dr. R B Singh

195. PRITI KUMARI
Effect of Agricultural Land Use Change on Groundwater in Rural-Urban Fringe of Delhi.
Supervisor : Dr. S C Rai
196. PRADHAN (Vivekanand)
Assessment of Water Quality of Kanpur City.
Supervisor : Dr. S C Rai
197. RAJESH KUMAR
Agricultural Vulnerability to Climate Change in the Dry Regions of Haryana.
Supervisor : Dr. R B Singh
198. SALUJA (Vidhi)
Status and Planning for Low Carbon Resilient Mega City : A Case Study of Delhi.
Supervisor : Dr. R B Singh
199. TIWARI (Ruby)
Spatio-Political Analysis of Dam Induced Displacement : A Case Study of Hirakud Dam in Orissa.
Supervisor : Dr. Barkatullah Khan