

Contents

Chapter one: Conservation & Biodiversity

Use and conservation of biodiversity - Inventory and assessment of ecosystems with relict tree species as a tool for establishing criteria for forest public policy <i>Eduardo Treviño</i>	3
Zoning of an agrisilviculture System: Organic coffee production in Santa Cruz Island – Galápagos <i>Alejandra Valdés & Ysabel Perdomo</i>	11

Chapter two: Participatory forest management

The integrated naranjilla round table <i>Christian Velasco</i>	25
The implementation of community based forestry as REDD+ activity: Comparative study in Indonesia and Ethiopia <i>Shibire Bekele Eshetu & Sonya Dyah Kusumadewi</i>	31
Community forestry in Nepal and Mexico: Concept, learning, challenges and way forward <i>Fátima del Carmen Acevedo Benítez & Arun Parajuli</i>	41
Recognising the ancestral land and biodiversity conservation efforts of indigenous people in Quinchao municipality using GIS- and participatory 3D-mapping tool <i>Precious Annie Lopez & Nolwenn Boucher</i>	51

Chapter three: Forest inventory and decision support

Effect of timber enumeration errors on timber value and decision making <i>Cori Ham , Gerard Lindner and David Drew</i>	67
Investigating the effect of logging and the optimum sampling design in the tropical forests of Papua New Guinea <i>Riccardo Testolin</i>	83
Geographic Information System of urban forestry Pereira, Colombia <i>Gustavo Cardona, Juan Carlos Sierra Ríos, Jorge Hugo García Sierra</i>	95
Zoning organic management of Maqui (<i>Aristotelia chilensis</i>) in the region of Los Ríos, Chile <i>Julio Gerding Vegas & Milton Serpa</i>	99

Chapter four: Land use conflicts

Land use and land use change in forestry (LULUCF). A status quo of forestry resources and policy intervention to forest dependents (livelihood) <i>Vianny Ahimbisibwe & Thakur Prasad Magrati</i>	109
Coverage and land use changes <i>Nayadeth Damari Muñoz Gómez & Julia Pintos</i>	121



Chapter five: Methods in Remote Sensing

The role of Landsat time-series in forest dynamics research <i>Wanda Graf</i>	131
Time Series of Normalized Difference Vegetation Index in Costa Rica - A highly bioclimatic diverse landscapes <i>Mauricio Vega</i>	143
Radar remote sensing for forest parameter estimation <i>Daniel Baron & Stefan Erasmi</i>	155
Monitoring Land Cover Changes in Jambi Province, Sumatra using Sentinel-1 and Google Earth Engine <i>Kira Urban & Lutz Fehrmann</i>	165
Exploring NDVI as a remote sensing tool for monitoring tropical forest <i>Rebeca Campos Valverde & Frederick Dadzie</i>	173

Chapter six: Climate Change & Case studies

Biomass on a fragment of the Atlantic Forest at the state of Espirito Santo, Brazil <i>José Imaña</i>	191
Above ground biomass estimation related to field measurement errors <i>Ramón Trucios & Prashant Paudel</i>	203
Climate Change adaptation of forest dependent poor people: A case study comparing Nepal and Ghana <i>Kumar Bahadur Darjee & George Ofori Ankomah</i>	215
Species distribution models as a tool to explore potential effects of climate change in montane forests <i>Carlos Manchego et al.</i>	227
Sustainable landscape in the forests of southern Chile <i>Victor Sandoval & Luis Otero</i>	235
Fire history in mexican conifers forest <i>Marco Gonzales & Wibke Himmelsbach</i>	241
Spatial and temporal patterns of fires at the wildland- rural-urban interface. Study case of Santiago del Estero, in Argentina's chaco dry forest region <i>Hugo Zerda</i>	251

Appendix

Group foto	261
------------	-----