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	Nota di contenuto
	1. Spatio-temporal Assessment of Vegetation Trends in the Post-Soviet Central Asia -- 2. Drought variability and land degradation in Central Asia: assessment using remote sensing data and drought indices -- 3. NDVI-based monitoring a long term vegetation change dynamics in the drylands of Central Asia -- 4. Deforestation - A Continuous Battle: Case Study from Central Asia and Other Countries -- 5. Vegetation Classification and Habitat Mapping of Dachigam National Park, Kashmir, India -- 6. Vegetation Diversity of Kashmir and its Sustainable Use -- 7. Medicinal Plants of Tajikistan -- 8. Medicinal Plants of Uzbekistan and Their Traditional Use -- 9. Current State and Prospects for Studies on the Diversity of Medicinal Flora in Kazakhstan -- 10. Medicinally Important Plants of Kazakhstan -- 11. Causes and Impacts

of Land Degradation and Desrtification: Case Study from Kazakhstan --
12. Assessment of the current plant diversity status in Kazakhstan --
13. Ecology and Environmental Aspects of "Makmalzoloto" Gold Mining
Area-Kyrgyzstan -- 14. Floodplain forest mapping with Sentinel-2
imagery: Case study of Naryn River, Kyrgyzstan -- 15. Potential
Impacts of Climate Change on Plant Diversity of Sary-Chelek Biosphere
Reserve in Kyrgyzstan -- 16. Plant Diversity of Ala-Archa National Park
in Kyrgyzstan with Emphasis on its Economical Potential.

Sommario/riassunto	Central Asia is a large and understudied region of varied geography, ranging from the high passes and mountains of Tian Shan, to the vast deserts of Kyzyl Kum, Taklamakan to the grassy treeles steppes. This region is faced with adverse conditions, as much of the land is too dry or rugged for farming. Additionally, the rich specific and intraspecific diversity of fruit trees and medicinal plants is threatened by overgrazing, oil and mineral extraction, and poaching. Countless species from the approximately 20 ecosystems and 6000 plant taxa are now rare and endangered. Traditional vegetation studies in this region are far from adequate to handle complex issues such as soil mass movement, soil sodicity and salinity, biodiversity conservation, and grazing management. However, data analysis using a Geographical Information System (GIS) tool provides new insights into the vegetation of this region and opens up new opportunities for long-term sustainable management. While vegetation planning can occur at a property scale, it is often necessary for certain factors, such as salinity, to be dealt with on a regional scale to ensure their effective management. GIS increases the effectiveness and accuracy of vegetation planning in a region. Such regional planning will also greatly increases biodiversity values. This book systematically explores these issues and discusses new applications and approaches for overcoming these issues, including the application of GIS techniques for sustainable management and planning. Professional researchers as well as students and teachers of agriculture and ecology will find this volume to be an integral resource for studying the vegetation of Central Asia.