

Titel: Novel Measurement and Assessment Tools for Monitoring and Management

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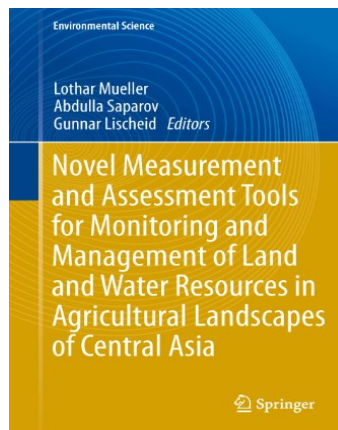
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of Land and Water Resources in Agricultural Landscapes of Central Asia (Environmental Science and Engineering)

Ausgabe **KINDLE**

The book aims to initiate a sustainable use of land and water resources in Central Asia by the transfer of scientific methods. It deals with the most advanced methods worldwide for better monitoring and management of water and land resources. We offer an array of methods of measuring, assessing, forecasting, utilizing and controlling processes in agricultural landscapes. These are laboratory and field measurement methods, methods of resource evaluation, functional mapping and risk assessment, and remote sensing methods for monitoring and modeling large areas. The book contains methods and results of data analysis and ecosystem modeling, of bioremediation of soil and water, field monitoring of soils, and methods and technologies for optimizing land use systems as well. The chapter authors are inventors and advocates of novel transferrable methods. The book starts with an analysis of the current state of water and land resources. Finally concrete proposals for the applicability of novel methods are given.