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Collana	Long-Term Ecological Research Network series ; ; 2
Altri autori (Persone)	RobertsonG. P
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; 1 Soil Sampling, Preparation, Archiving, and Quality Control; 2 Site and Landscape Characterization for Ecological Studies; 3 Soil Water and Temperature Status; 4 Soil Structural and Other Physical Properties; 5 Soil Carbon and Nitrogen: Pools and Fractions; 6 Exchangeable Ions, pH, and Cation Exchange Capacity; 7 Soil Phosphorus: Characterization and Total Element Analysis; 8 Analysis of Detritus and Organic Horizons for Mineral and Organic Constituents; 9 Collection of Soil Solution; 10 Soil CO ₂ , N ₂ O, and CH ₄ Exchange 11 Measuring Decomposition, Nutrient Turnover, and Stores in Plant Litter 12 Dinitrogen Fixation; 13 Soil Carbon and Nitrogen Availability: Nitrogen Mineralization, Nitrification, and Soil Respiration Potentials; 14 Denitrification; 15 The Determination of Microbial Biomass; 16 Characterizing Soil Microbial Communities; 17 Soil Invertebrates; 18 Methods for Ecological Studies of Mycorrhizae; 19 Measurement of Static Root Parameters: Biomass, Length, and Distribution in the Soil Profile; 20 Fine Root Production and Demography; Index
Sommario/riassunto	Standardized methods and measurements are crucial for ecological

research, particularly in long-term ecological studies where the projects are by nature collaborative and where it can be difficult to distinguish signs of environmental change from the effects of differing methodologies. This second volume in the Long-Term Ecological Research (LTER) Network Series addresses these issues directly by providing a comprehensive standardized set of protocols for measuring soil properties. The goal of the volume is to facilitate cross-site synthesis and evaluation of ecosystem processes. Chapters cover
