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Autore	Froissart, Jean <1338-1410>
Titolo	Chroniques : début du premier livre / Jean Froissart ; édition du manuscrit de Rome Reg. lat. 869 par George T. Diller
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Collana	Handbook of Soil Science
Altri autori (Persone)	HuangP. M LiYuncong SumnerM. E <1933-> (Malcolm E.)
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Nota di contenuto	Front Cover; Contents; Preface; Editors; Associate Editors; Contributors;

Introduction; Chapter 1: The Role of Synchrotron Radiation in Elucidating the Biogeochemistry of Metal(loids) and Nutrients at Critical Zone Interfaces; Chapter 2: Clay-Organic Interactions in Soil Environments; Chapter 3: Nanoscale Science and Technology in Soil Science; Chapter 4: Impacts of Environmental Nanoparticles on Chemical, Biological, and Hydrological Processes in Terrestrial Ecosystems; Chapter 5: Enzymatic Activity as Influenced by Soil Mineral and Humic Colloids and Its Impact on Biogeochemical Processes
Chapter 6: Biogeochemical, Biophysical, and Biological Processes in the RhizosphereChapter 7: Mineralogical, Physicochemical, and Microbiological Controls on Soil Organic Matter Stabilization and Turnover; Chapter 8: Impact of Soil Physical, Chemical, and Biological Interactions on the Transformation of Metals and Metalloids; Chapter 9: Soil Physicochemical and Biological Interfacial Processes Governing the Fate of Anthropogenic Organic Pollutants; Chapter 10: Impact of Soil Physicochemical and Biological Reactions on Transport of Nutrients and Pollutants in the Critical Zone
Chapter 11: Bioavailability of N, P, K, Ca, Mg, S, Si, and MicronutrientsChapter 12: Soil Acidity and Liming; Chapter 13: Soil Fertility Evaluation; Chapter 14: Fundamentals of Fertilizer Application; Chapter 15: Nutrient and Water Use Efficiency; Chapter 16: Nutrient Interactions in Soil Fertility and Plant Nutrition; Chapter 17: Saline and Boron-Affected Soils; Chapter 18: Sodicity; Chapter 19: Soil Water Repellency; Chapter 20: Biogeochemistry of Wetlands; Chapter 21: Acid Sulfate Soils; Chapter 22: Water Erosion; Chapter 23: Wind Erosion; Chapter 24: Land Application of Wastes
Chapter 25: Conservation TillageChapter 26: Soil Quality; Chapter 27: Qualitative and Quantitative Aspects of World and Regional Soil Databases and Maps; Chapter 28: United States Soil Survey Databases; Chapter 29: Integrated Digital, Spatial, and Attribute Databases for Soils in Brazil; Chapter 30: Development and Use of Soil Maps and Databases in China; Chapter 31: Soil Geographic Database of Russia; Chapter 32: Soil Databases in Africa; Chapter 33: Learning about Soil Resources with Digital Soil Maps; Back Cover

Sommario/riassunto

An evolving, living organic/inorganic covering, soil is in dynamic equilibrium with the atmosphere above, the biosphere within, and the geology below. It acts as an anchor for roots, a purveyor of water and nutrients, a residence for a vast community of microorganisms and animals, a sanitizer of the environment, and a source of raw materials for construction and manufacturing. To develop lasting solutions to the challenges of balanced use and stewardship of the Earth, we require a fundamental understanding of soil-from its elastic, porous three-phase system to its components, processes, and re