

1. Record Nr.	UNINA9910781438803321
Titolo	Handbook of soil sciences : properties and processes // edited by Pan Ming Huang, Yuncong Li, Malcolm E. Sumner
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-09598-8 1-283-34989-2 9786613349897 1-4398-0306-4
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (1427 p.)
Collana	Handbook of Soil Science
Altri autori (Persone)	HuangP. M LiYuncong SumnerM. E <1933-> (Malcolm E.)
Disciplina	631.4
Soggetti	Soil science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"K10170."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Soil physics -- pt. 2. Soil chemistry -- pt. 3. Soil mineralogy -- pt. 4. Soil biology and biochemistry : soil biology in its second golden age -- pt. 5. Pedology.
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