1. Record Nr. UNINA9910451544803321 The silicon cycle [[electronic resource]]: human perturbations and **Titolo** impacts on aquatic systems / / edited by Venugopalan Ittekkot ... [et al.] Washington, DC, : Island Press, c2006 Pubbl/distr/stampa **ISBN** 1-59726-782-1 1-4356-2869-1 Descrizione fisica 1 online resource (297 p.) Collana Scope series;;66 Altri autori (Persone) IttekkotV <1945-> (Venugopalan) Disciplina 577/.14 Soggetti Silicon cycle (Biogeochemistry) Aquatic ecology Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto ""Title Page""; ""Copyright Page""; ""Table of Contents""; ""List of Figures and Tables""; ""Preface""; ""Acknowledgments""; ""Ch. 1: Introduction""; ""Ch. 2: Silicate Weathering in South Asian Tropical River Basins""; ""Ch. 3: Silicon in the Terrestrial Biogeosphere"; ""Ch. 4: Factors Controlling Dissolved Silica in Tropical Rivers""; ""Ch. 5: Dissolved Silica Dynamics in Boreal and Arctic Rivers: Vegetation Control over Temperature?""; ""Ch. 6: Dissolved Silica in the Changjiang (Yangtze River) and Adjacent Coastal Waters of the East China Sea""; ""Ch. 7: Atmospheric Transport of Silicon"" ""Ch. 8: Estuarine Silicon Dynamics"""Ch. 9: Physiological Ecology of Diatoms Along the River - Sea Continuum""; ""Ch. 10: Modeling Silicon Transfer Processes in River Catchments""; ""Ch. 11: Role of Diatoms in Silicon Cycling and Coastal Marine Food Webs""; ""Ch. 12: Responses of Coastal Ecosystems to Anthropogenic Perturbations of Silicon Cycling"; ""Ch. 13: Silicon Isotope-Based Reconstructions of the Silicon Cycle""; ""Ch. 14: Long-Term Oceanic Silicon Cycle and the Role of Opal Sediment""; ""Ch. 15: The Perturbed Silicon Cycle""; ""Contributors"";

""SCOPE Series List""; ""Index""