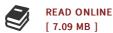




Quantum Analysis of Primary Succession: The Energy Structure of a Vegetation Chronosere in Hawaii Volcanoes National Park

By Laszlo Orloci

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. The book revisits the fundamental quantum ecological idea that the potential energy structure of a plant community is a seamless fusion of footprints specific to basic processes which operate on all scales - phylogeny, environmental mediation, and chance. At this time the idea is tested in quantum analysis of a vegetation chronosere in Hawai i Volcanoes National Park. How is the test constructed? What are the outcomes? What do the results tell about primary succession not already known from other sources? Stated in the briefest of terms the test requires temporal species performance data. This comes from the survey of a proxy succession sere, also known as a chronosere. The test criterion is Max Planck's energy-based entropy function. This is applied in a multiscale, probabilistic manner. The results are statistical generalizations concerning the energy structure of primary succession. The book gives details and explains the results at length. Front cover: Halema uma u caldera from the Kilauea lki cinder cone.



Reviews

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