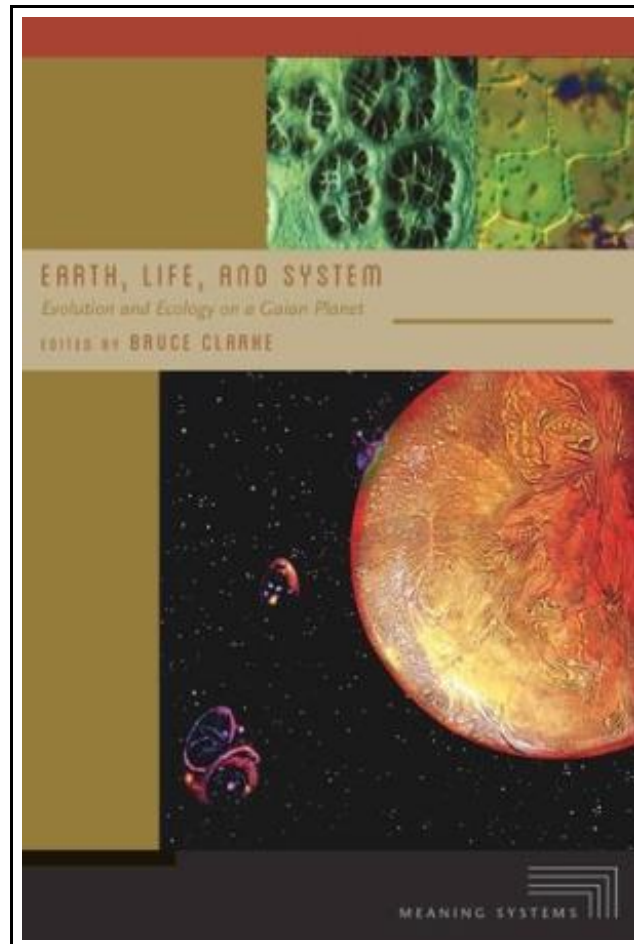# Earth, Life, and System: Evolution and Ecology on a Gaian Planet

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Reviews

This sort of ebook is everything and made me hunting ahead of time and more. I am quite late in start reading this one, but better then never. I found out this publication from my dad and i suggested this publication to discover.
(Judge Mills)

EARTH, LIFE, AND SYSTEM: EVOLUTION AND ECOLOGY ON A GAIAN PLANET

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Fordham University Press. Paperback / softback. Book Condition: new. BRAND NEW, Earth, Life, and System: Evolution and Ecology on a Gaian Planet, Bruce Clarke, Exploring the broad implications of evolutionary theorist Lynn Margulis's work, this collection brings together specialists across a range of disciplines, from paleontology, molecular biology, evolutionary theory, and geobiology to developmental systems theory, archaeology, history of science, cultural science studies, and literature and science. Addressing the multiple themes that animated Margulis's science, the essays within take up, variously, astrobiology and the origin of life, ecology and symbiosis from the microbial to the planetary scale, the coupled interactions of earthly environments and evolving life in Gaia theory and earth system science, and the connections of these newer scientific ideas to cultural and creative productions. Dorion Sagan acquaints the reader with salient issues in Lynn Margulis's scientific work, the controversies they raised, and the vocabulary necessary to follow the arguments. Sankar Chatterjee synthesizes several strands of current theory for the origin of life on earth. James Strick tells the intertwined origin stories of James Lovelock's Gaia hypothesis and Margulis's serial endosymbiosis theory. Jan Sapp explores the distinct phylogenetic visions of Margulis and Carl Woese. Susan Squier examines the epigenetics of embryologist and developmental biologist C. H. Waddington. Bruce Clarke studies the convergence of ecosystem ecology, systems theory, and science fiction between the 1960s and the 1980s. James Shapiro discusses the genome evolution that results not from random changes but rather from active cell processes. Susan Oyama shows how the concept of development balances an over-emphasis on genetic coding and other deterministic schemas. Christopher Witmore studies the ways in which a concentrated animal feeding operation, or CAFO, mixes up natural resources, animal lives, and human appetites. And Peter Westbroek brings the insights of earth system science toward a new worldview...

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