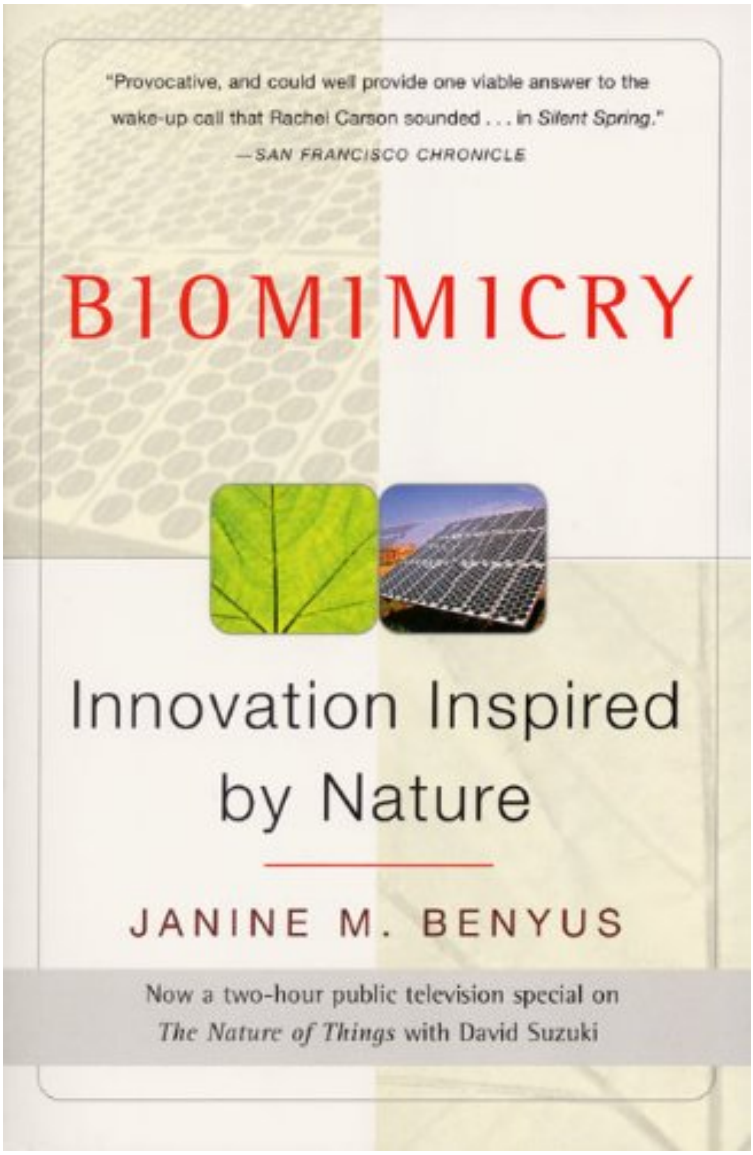
Biomimicry: Innovation Inspired by Nature



Par Janine M. Benyus
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[Mobile ebook] Biomimicry: Innovation Inspired by Nature

Par Janine M. Benyus : Biomimicry: Innovation Inspired by Nature before purchasing it in order to gage whether or not it would be worth my time, and all praised Biomimicry: Innovation Inspired by Nature:

Description : Description du produitBiomimicry is a revolutionary new science that analyzes natures best ideas--spider silk and eyes, seashells and brain cells, photosynthesis and DNA--and adapts them for human use. Janine Benyus takes us into the lab and out in the field with the maverick researchers who are discovering natures ingenious solutions to the problem of human survival: studying leaves to learn how to make microscopic solar power packs that will clean up toxic spills and light our homes; harnessing DNAs coding power to make blindingly fast computers; discovering miracle drugs by observing what animals eat; and much more. The answers are there for the finding, poemlike in their elegance and economy.Anyone interested in the people and ideas that are shaping our future must read this book to know where the most exciting revelations lie--literally all around us.

Prsentation de l'diteurThis profound and accessible book details how science is studying natures best ideas to solve our toughest 21st-century problems.If chaos theory transformed our view of the universe, biomimicry is transforming our life on Earth. Biomimicry is innovation inspired by nature taking advantage of evolutions 3.8 billion years of RD since the first bacteria. Biomimics study natures best ideas: photosynthesis, brain power, and shells and adapt them for human use. They are revolutionising how we invent, compute, heal ourselves, harness energy, repair the environment, and feed the world. Science writer and lecturer Janine Benyus names and explains this phenomenon. She takes us into the lab and out in the field with cutting-edge researchers as they stir vats of proteins to unleash their computing power; analyse how electrons zipping around a leaf cell convert sunlight into fuel in trillionths of a second; discover miracle drugs by watching what chimps eat when theyre sick; study the hardy prairie as a model for low-maintenance agriculture; and more.From Library JournalInnovations, whether in farming, composite science, or computing, are a product of human creativity. Science writer Benyus (Beastly Behaviors, LJ 9/1/92) uses these subjects and others to demonstrate how nature's solutions to situations have been the creative jumping-off points for individuals seeking solutions, developing, or simply revitalizing processes or products. The first seven chapters are a prelude to the final chapter, which tackles industrial ecology. Here, Benyus proposes "ten lessons" that an ecologically astute company, culture, or economy could practice to promote a healthier existence for us all. There is no grandstanding, just readable language and a simple awe at human creativity and the uses to which it can be put. For popular science collections.?Michael D. Cramer, North Carolina Dept. of Environmental Health and Natural Resources Lib., RaleighCopyright 1997 Reed Business Information, Inc.The New York Times Book , Dorion SaganThe sophisticated, almost pro-growth angle of Benyus shows the great potential profitability of copying some of nature's time-tested, non-polluting room-temperature manufacturing and computing technologies. The colors of Benyus, a splendid Stevensville, Mont., science writer with a grasp of several sciences, contain far more shades of green than of chrome.