

**BIO DESIGN: NATURE. SCIENCE.  
CREATIVITY BY WILLIAM MYERS, PAOLA  
ANTONELLI**



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## Review

"bio design is not about merely taking cues from organic structures and operations. It's about harnessing the machinery of the natural world to perform as nature does: storing and converting energy, producing oxygen, neutralizing poisons and disposing wastes in life-sustaining ways...In the wonderland of biotechnology, bacteria is beautiful, moss is electric and decorative tiles are animated." -The New York Times

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"The large and beautiful book by the young William Myers from New York addresses the re-naturalisation of the habitat and the close integration of nature, architecture and design." -Domus

"All these works are prominent examples of a nascent aesthetic movement called biodesign, which integrates living things, including bacteria, plants and animals, into installations, products and artworks."? - Smithsonian Magazine

## From the Author

Biodesign is the next step beyond biology-inspired approaches to design and fabrication. Unlike biomimicry, Cradle to Cradle or the popular but frustratingly vague "green design," biodesign refers specifically to the incorporation of living organisms as essential components in design, enhancing the function of the finished work. Biodesign leaps ahead of imitation and mimicry to integration and use, dissolving boundaries and synthesizing new hybrid living objects. The book also highlights experiments replacing industrial or mechanical systems with a biological process, an approach becoming more important under the pressure of the climate crisis. The final section of the book ventures beyond functional or speculative design into the

realm of fine art, presenting a range of works that incorporate living matter and foretell changes in how we might define life, identity and nature in the near future.

From the Inside Flap

"William Myers has collected an impressive variety and number of case studies that involve organisms at all scales, from plants and animals to bacteria and cells, to be used as architectural, graphic, or interior elements...If our relationship with nature is broken, this book makes us hope that perhaps we will be able to fix it from within." -Paola Antonelli, Senior Curator of Architecture and Design, MoMA

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BioDesign is an inspiring resource for designers, architects, engineers, and students. Featuring 73 projects at the intersection of biology and design, it surveys artworks, prototypes and architectural concepts that harness living materials and processes, presenting bio-integrated approaches to achieving sustainability, new innovations enabled by biotechnology, and provocative experiments that deliberately illustrate the dangers and opportunities of manipulating life for human ends. Ranging from fabrics and "concrete" made with bacteria to arbor-architecture, these projects are now more pertinent than ever. By examining how this new phenomenon fits into the history of architecture, art, and industrial design, William Myers contextualizes the shift toward biodesign through comparisons to previous historic transitions in art and design practices, clarifying its implications for the future.

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Excellent insight into the future of architecture and design.

By Andrew

Bringing together work by artists, designers and scientists from around the world, this excellent book delves deep into the integration of the natural world in design projects as far flung as renewable, biodegradable fashion; towers and bridges formed from live trees; and ad campaigns grown from a humble petri dish. There's a lot to think about here: the artists and designers featured in this book make an excellent case for why we can never divorce ourselves from the living, breathing natural world and why the future of our planet depends on innovative, biological solutions to the world's most pressing design problems.

0 of 0 people found the following review helpful.

Awesome

By Bruce

Great idea, design from the supreme creator, Nature. Very high quality, very well put together, and beautiful pictures. My kids love it.

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