

SILVERINK MENDING LABS

Source Website: <https://biomimicry.org/>

<https://www.biomimicryindia.com/>

For all the challenges we face, nature has a solution.

Biomimicry offers an empathetic, interconnected understanding of how life works and ultimately where we fit in. It is a practice that learns from and mimics the strategies used by species alive today. The goal is to create products, processes, and policies — new ways of living — that solve our greatest design challenges sustainably and in solidarity with all life on earth. We can use biomimicry to not only learn from nature’s wisdom, but also heal ourselves — and this planet — in the process.

Biomimicry brings relief.

We’re stressed. Our planet is stressed. Many are losing hope for solving the climate crisis and its many negative effects on ecosystems across the world. Biomimicry gives us hope, because we know the solutions for our greatest challenges are here, accessible, and validated by the many species still alive today. By using nature as our mentor, we get to experience the powerful healing effects it has by connecting to the natural world — while also finding empowering relief to solve these challenges together.

Biomimicry helps us design generously.

Circularity, sustainability, regenerative design — it all means that the things we humans make become a force for restoring air, water, and soil instead of degrading it. Nature uses structure to change functions and also uses passive forms of energy, whereas our inventions use brute force like mining ancient carbon and a multitude of harmful chemicals. We can create conditions conducive to life, just like nature does.

Biomimicry gets us to sustainable solutions, faster.

Our R&D cycles are slow, and climate change won’t wait – we must look to the biological blueprints that have been successful over millennia to launch groundbreaking ideas, faster. We don’t need to reinvent the strategies that are already here. We just need to learn how to adapt them.

Biomimicry changes our lens on the world.

Innovators turn to biomimicry with the hope of achieving a unique product that is efficient and effective, but they often gain a deep appreciation of and connection to the natural world. As Biomimicry Launchpad participant and Mangrove Still co-founder Alessandro Bianciardi said, “I cannot help but feel a kinship with these trees now that I have spent years of my life trying to emulate them. In fact, I see all trees differently now.” Biomimicry encourages conservation for ecosystems and its inhabitants, because they hold the wisdom we need.

Biomimicry is about valuing nature for what we can learn, not what we can extract, harvest, or domesticate. In the process, we learn about ourselves, our purpose, and our connection to each other and our home on earth.

The 3 Essential Elements of Biomimicry

When translating nature’s strategies into design, the science of the practice involves three essential elements: Emulate, Ethos, and (Re) Connect. These three components are infused in every aspect of biomimicry and represent these core values at its essence.

Emulate

The scientific, research-based practice of learning from and then replicating nature’s forms, processes, and ecosystems to create more regenerative designs.

Ethos

The philosophy of understanding how life works and creating designs that continuously support and create conditions conducive to life.

(Re)Connect

The concept that we are nature and find value in connecting to our place on Earth as part of life’s interconnected systems. (Re)Connect as a practice encourages us to observe and spend time in nature to understand how life works so that we may have a better ethos to emulate biological strategies in our designs.

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