Bioarchitecture-Inspirations from nature

Abstract

Engineers, architects, and artists often refer to nature as a basis. Many engineers find their structural inspiration from plant life, in a spider’s web, a piece of coral, a beehive, or in the structural development of animals. Bioarchitecture is a particular moment in which architecture, engineering, and art converge as they are using the same inspirations. By taking a look around, designers can find inspiration everywhere – particularly in nature. Nature provides us with an amazing array of solutions for many complex problems that we face today – the quest to learn from nature in this way is “Bioarchitecture or biomimicry”, and architecture can benefit from this kind of approach. Animals, plants, and microbes are the consummate engineers. They have found what works, what is appropriate, and most importantly, what lasts here on Earth. Nature can teach us about systems, materials, processes, structures, efficiency and aesthetics (just to name a few). By delving more deeply into how nature solves problems that we experience today, we can extract timely solutions and find new inspirations.

This paper deal with Aesthetic as a branch of philosophy dealing with the nature of beauty, art, and taste and with the natural environment, which still fill us with a sense of awe and amusement.

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nature [Herrmann, 1984]. But contemporary design. looks more to industry for inspiration than it does to. nature—a bias that has set architecture apart from the. environment. Accordingly, design could learn from in nature and for regarding design as a natural act. Bioarchitecture development requires inventing, new architectural paradigms—understanding them, as naturally evolved—thinking of architecture as. Know how nature inspired the architects to build something unique depicting the environment around us and how surprisingly they created structures collaborating the inspiration with technology. A major inspiration for the architects to look up to nature for construction lessons is the dire need to build with limited resources in the face of shrinking material and energy supplies. This shift in the architecture trends clearly shows that the industry is moving towards a more environment inspired understanding of how humans can respond to nature in the same way as the nature does. Let’s read about some architectural wonders from around the world inspired by nature. 1. Sagrada Familia –. Image Source: barcelonaguidebureau.com.