



biomimetics

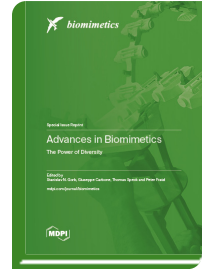


Special Issue Reprint

Advances in Biomimetics: The Power of Diversity

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Biomimetics research on living systems attempts to transfer their properties and functions to engineering applications. Biological materials, structures, and processes are predominantly based on the combination of various effects at different scales: from the nano- to the micro-, meso-, and, finally, macroscale. This Special Issue is devoted to the latest advances in biomimetics in all its subfields: (1) materials and structures; (2) designs, constructions, and devices; (3) surfaces and interfaces; (4) locomotion and bioinspired robotics; and (5) the development of biomimetic methodology. This Special Issue contains papers from biological fields focusing on the proper identification of the underlying structure and functional principles in nature, which explains the observed properties of biological systems. Manuscripts that apply these to modern technologies are included as well.



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