Biomimetic application is a normal phenomenon in architecture. From the very beginning of the creation of this planet human race depends on nature, directly or indirectly. Biomimicry or biomimetics is the examination of nature, its models, systems, processes, and elements to emulate or take inspiration from in order to solve human problems. In early stages humans took logistic supports directly from nature. Later, with the advancement of technology, they try to realize the dormant mechanisms of natural phenomena. Recently, developments in computer technology and material sciences make this discipline more visionary.

Abul Fazal Mahmudun Nobi
Mahmudunnabi@bracu.ac.bd

Department of Architecture
BRAC University
Dhaka, Bangladesh

DESIGN FROM NATURE, TECHNOLOGY FROM ‘CULTURE’: BIOMIMETICS

Key words: Structure and skin, Coloration, Materiality, Passive heating and cooling, Energy harvesting.