Botanical inspired industrial design products technical functions

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Abstract:
It is the scientific study of plant life. Botany is a branch of biology and it is sometimes referred to as plant biology. Botany covers a wide field of scientific trends that study growth, reproduction, metabolism, morphology, plant pathology, ecology, and phytogenesis. The discoveries of science for the functional properties of creatures represent the most important thing that the innovative human searches for, as these discoveries are what put before the eyes of the innovator the ideal functional models that God Almighty created, and the scientific discoveries are represented in all directions such as astronomy - geology - zoology - botany Religious sciences - ethics - physics - chemistry - mathematics .......... etc. Scientists in the past divided science into many divisions, until science reached a more perfect division. Botany is considered one of the most important branches of biological sciences, due to the importance of plants on this planet, as this science studies the functional properties in plants that the designer used to design his products. Botany is interested in studying that section of living organisms that can manufacture their own food by exploiting some raw materials - such as water and carbon dioxide - with a simple chemical composition and fixing them through chlorophyll circulating in their cells in the presence of sunlight, to convert them into substances of a composition More complex, and can later be relied upon as a food source. Botany has several areas of interest, and each field has several branches. Research problem: To uncover the relationship between botany and industrial design to create new functional technology inspired by botany as an essential element of nature. Research Objective: Finding an interactive relationship between design and other sciences represented in studying the physiological properties of botany and how to benefit from them in designing jobs in industrial products. research importance: Connecting the horizons of scientific discoveries represented by science discovering the nature of plants and making use of them in achieving functional innovations in industrial products.

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