

## CHAPTER 7

# FROLICKING WITHIN THE INSECT REALM

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### Insectophilia Play Zone

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### Molecular Crosstalk

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### Going Wire with Insect

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### Wriggling Across the Canvas

Law Yao Hua





The proposed design of insect housing... children through an informative journey filled with a variety of insects. As children walk along the path, they will be introduced to various insects. The design of insect housing, children play area, seating area, and other facilities will be able to provide the children with a...

...the natural environment where they are... the environment, economy, society and human health. Recently, a few...





# NYAWA 2013





## Frolicking within the Insect Realm

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For millions of years the organisms and the ecosystem have been the integral element of the world. It has evolved and gradually emerges together as an Ecosphere. The insect realm is part of the overall processes and system. This six-legged animal is among the most diverse group on the planet and represents more than half of all known living organisms. It can be found in almost all environments. Humans regard certain insects as pests but many others are ecologically beneficial and provide economic benefit. At the same time not all insects are scary, some are calm and others are uniquely beautiful. They have eccentric habits, skills, forms and strategies that we could acquire, adore and derive entertainment from them. Therefore this chapter discusses these unique aspects of the insects' world and simultaneously inflates them from their unique behaviour and lifestyle into more stimulating and fascinating deeds. Firstly the Insectophilia Play Zone, which proposes the development of insect-loving children play area. The children and youngsters will have first-hand experience, play and become familiar with their surrounding insects. They will learn about the important roles of insects in the life cycle and its metamorphosis.

Secondly the molecular crosstalk highlighted the distinctive communication between insects and plants. As insects do not exist in isolation, it is observed that there are interactions within their communities and others. This insects and plants communication using molecular signals could be the language of life. It could be better understood by developing the means to break the expression of specific genes tools. Furthermore, the third artefact captured the experience with insect. To increase the human appreciation towards insects, 3D wire insects were introduced. It will lead to greater interest in natural things and the environment. Finally insects are also an artist. Although some of them look plain and simple such as the maggot (the larva of a fly), but they can paint and create attractive drawings. Ultimately all these artefacts presented add another dimension to the exclusivity of these living things i.e. the INSECTS.