Taxonomy
BIOLOGICAL CLASSIFICATIONS

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Objectives

- You will learn the types of biological

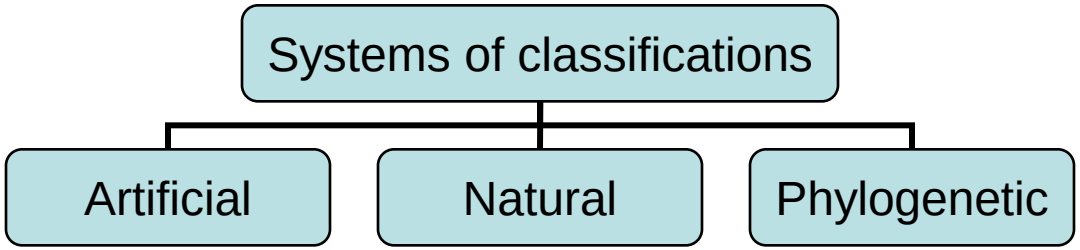
Classifications

- You will learn the differences between the types of classifications
- Also will learn the definitions of the same

Classifications

- The science of classification is known as Taxonomy. (Taxis: arrangement. Nomus Law)
- Taxonomy is the theory and practice of classification

Biological Classifications



Artificial system

- This is the classification based on a few characters
- Eg. Flower colour, size of the flower

Mantharam

Pichakam

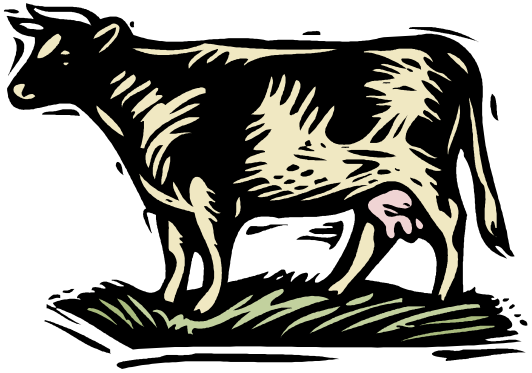
Kalyana.

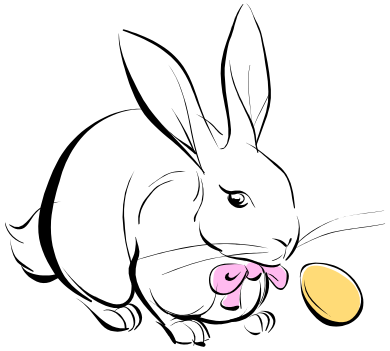
Thumba_poov.

Kolambi

Natural system

- The system is based on the similarities or resemblances





Ixora sp.

ungle flame, Needle flower

Botanical Family: Rubiaceae. Origin: India and tropical Africa. Ixora - from the name of an **Indian** deity - is a genus with about 400 species, some of which rival Hibiscus as garden shrubs. I.javanica, one of the most often used, is a sizeable shrub with largish, pointed leaves and red-orange or pure red flowers that appear in rounded clusters of as many as sixty at the tips of the branches. I.cocdnea is smaller, with glossy, more ovate leaves; usually red, but there are white, pink, yellow, and orange varieties, and a dwarf often used as a low hedge. I.jinlaysoniana, a native of Thailand, can become a small tree and has large, fragrant, pure white flowers. In full sun or light shade, Ixora flowers almost continuously needing little pruning except for a more formal shape. When grown as a house plant, it needs high humidity, warm temperatures, and exposure to strong light. Propagation is easiest by air-layering.

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Phylogenetic system

- The phylogenetic classification is based on the trend of evolution

Phylogenetic system

Mammals

Birds

Reptiles

Amphibians

Fishes

Trend of evolution

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