

# Horticulture and Ecology

## ENPL236

Horticulture  
Identification of plant  
Types of plants -1

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# Types of plants

Identification of plants

Family

Genera

Species

Subspecies

Olea europea

Family :oleaceae

Genera: olea

Species: europea

# The Botanic Naming of plants

- Family: similar nature, end by “aceae”  
Fagaceae, Legumenaceae, Rosaceae.
- Genus: “plural Genera”, similarities in fruit and flowers but not identical representation. Prunus, Rosa, Fagus.
- Species: “ plural species” subdivisions of genera different in leaf shape, flower color, fruit size. “ lower case letter “
- subspecies

*Rosa grandiflora*, *Prunus armeniaca*

- Variety: “cultivated variety”

*Magnolia grandiflora* “Cairo”

- Hybrid: -X- “before genus hybridization between two genera, after the genus hybridization between two sp. Of the same genera.

*Magnolia X soulangiana*



*Magnolia grandiflora*

# Types of plants

- Trees
- Shrubs
- Climbers
- Perennials
- Annuals and biennials
- Bulbs

they can be aquatic or terrestrials

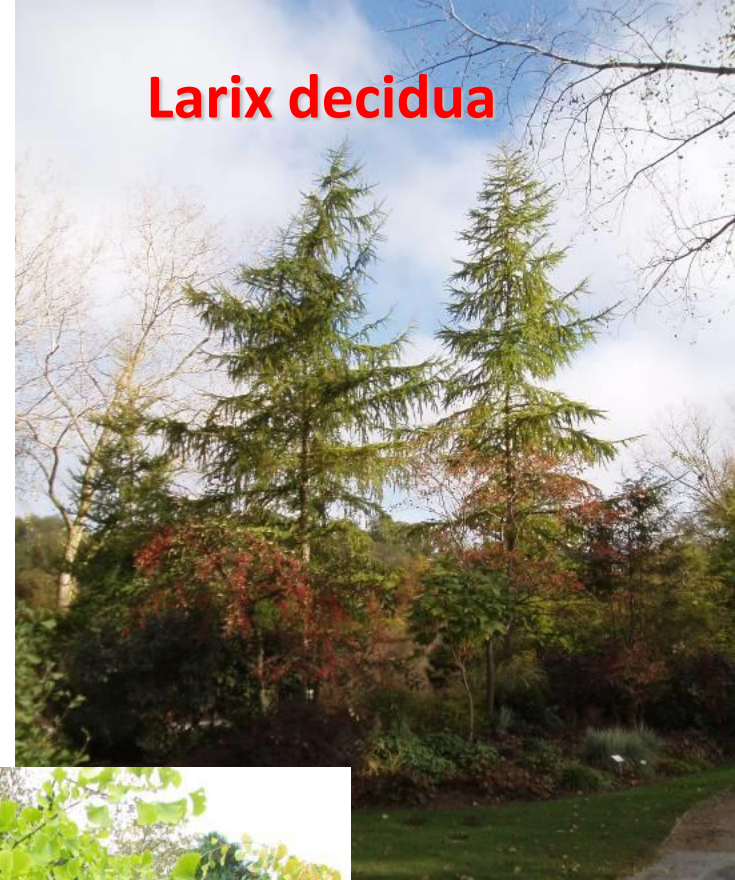
# Trees and shrubs

Conifers, broadleaves, palms and cycads

# Conifer

- needle-leaved or scale-leaved. Some not (Ginko biloba)
- most of them are evergreen. Some not (Larix sp.)
- cone-bearing

**Larix decidua**



**Ginko biloba**





# Pinus pinea



# Pinus halapensis





# Juniperus



**Juniperus oxycedrus L**



**Juniperus communis "goldcone"**



# Juniperus chinensis pfitzerana



# Cupressus sempervirence





# Cedrus atlantica





# Thuja oreintalis



# Broadleaves trees and shrubs

- Ever green or deciduous
- Flowers : catkins or flowers
- vary in sizes and forms
- Broad leaves vary in shape and size and color, some not like Casuarina
- Growth; fast or slow, columnar or domed, pendulous, fan shape
  
- Harsh weather, cold
- Pollution
- Can be pruned for topiary



# casuarina





# Catkin flowers



Platanus orientalis



Salix alba



Salix alba

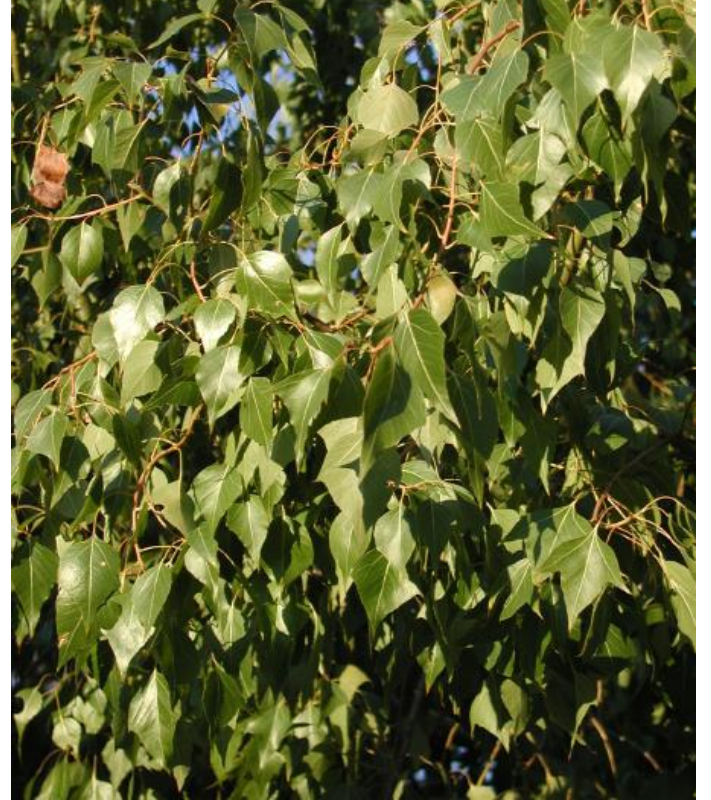


Salix babylonica





# Brachycton populneus







**Brachychiton discolor**



**Brachychiton acerifolia**



# Cersis siliquastrum



# Prunus persica (Peach)





# Phyionix dactilifera





**Calistemon  
viminalis**

**Cedrus libani**







# Climbers

- Spread on ground or climb on walls
- Evergreen or deciduous
- Some has small root on branches to help to climb
- Grow for the beauty of leaves or flowers
- Use in pergolas, cover walls, gates, windows...etc,
- can be pruned to change habit become as shrub
- Fragrant flowers



# Bougainvillea





Passiflora edulis

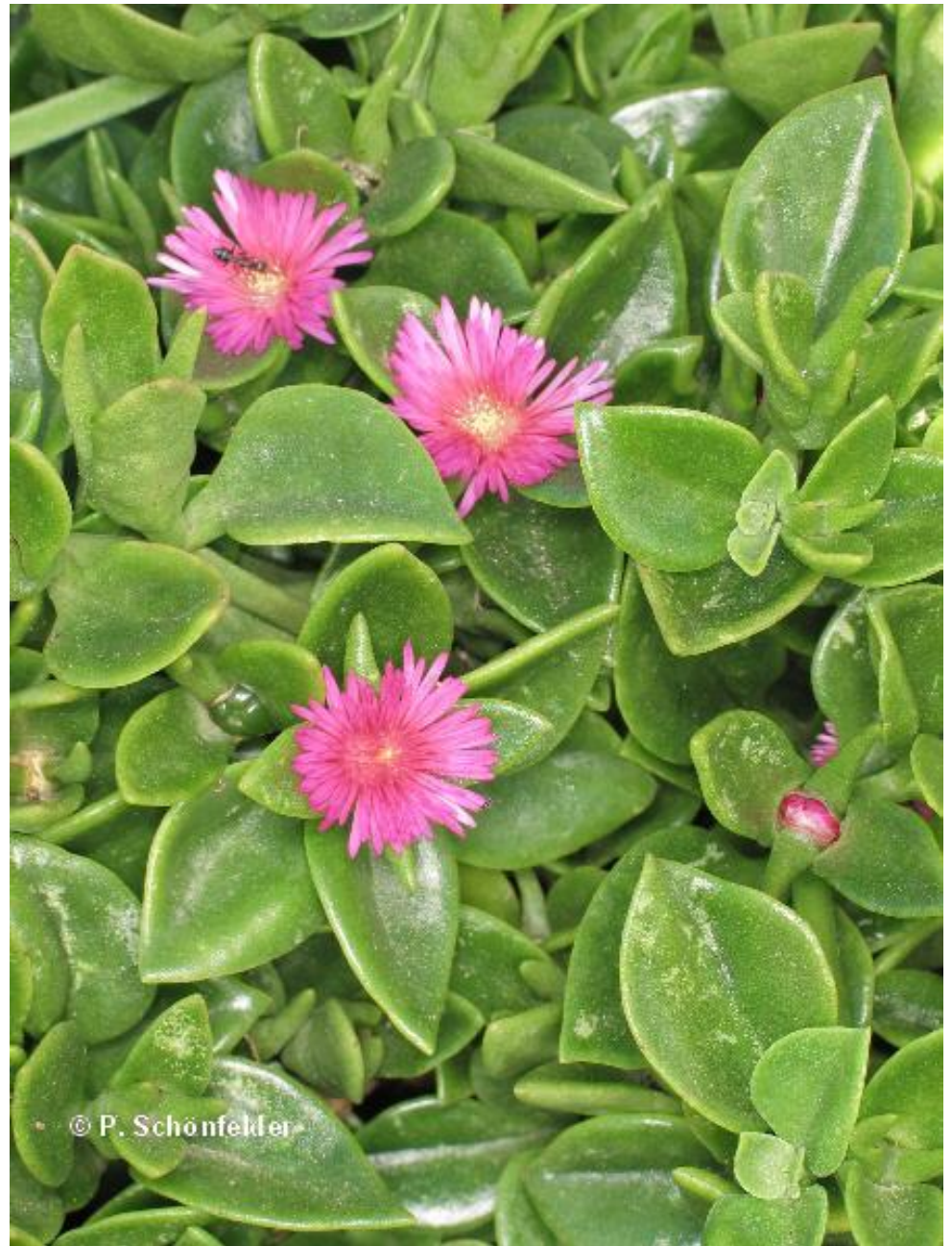


Passiflora auctifolia





# Aptenia cordifolia



# Hedra helix





# Lonicera japonica





