**Classification of horticultural Crops**

**Linnaeus Mid 18th century**

**Kingdom (Planteae)**

**Phylum/Division (Tracheophyta) (Most of horticultural plants belongs to this**

**Classes**

**Orders**

**Family**

**Genus**

**Specie**

**Variety**

***Italian words (botanical name)***

**I like flower of *Rosa indica. (compose)***

**I like flower of Rosa indica. (handwritten so underline each separately)**

**Rosa (Genus) indica (specie).**

***Rosa indica* cv. Centifolia**

**Tracheophytae have two major groups**

1. **Gymnosperm (having naked seed) 700 species**

**Gymno-naked**

**Sperm-seed**

**Needle like leaves and evergreen**

**Timber, Wood pulp, turpentine, resins, edible seed, high value ornamental plants**

1. **Angiosperm (having closed seed) 250,000 species**

**Angio-closed,**

**sperm seed**

**broad leaves**

**food, shelter, fiber**

**Angiosperm plants are divided into two groups**

1. **Monocot plants (50,000 species)**

**Having single cotyledon in seed (food reserves in seed)**

**Flower-- number of petals three or multiple of three (6,9,12, 15…)**

**Leaf veneation parallel**

1. **Dicot plants (200,000 species)**

**Having two cotyledons in seed**

**Flower-- number of petals 4 or 5 multiple of 4 or 5 (8,10,12,15, 16,20…)**

**Leaf veneration reticulate**