Angiosperm Systematics

Botanical Nomenclature

1. Botanical nomenclature is the formal, scientific naming of plants. Assigning scientific name to a plant is called as Botanical Nomenclature.

2. Involved the principles governed by rules formulated and adopted by **International Botanical Congress (IBC).**

3. The rules developed by IBC are enlisted in a *code* called as **International Code of Botanical Nomenclature (ICBN).**

4. The major goal of ICBN is to provide correct name to each taxa.

5. The entire business affair of world would stop and there would be no "give and take" of knowledge.

6. For sharing knowledge there is need of one Scientific name. Vernacular names are made up of words from native language.

Sr. No.	Common Names	Scientific Names
1.	They are not universal and vary in different region	They are universal and are recognized throughout the world
2.	They do not provide information regarding the relationship	They provide information indicating generic and family relationship
3.	A well-known plant can have hundreds of common names	A well-known plant has only one scientific name
4.	Two or more plants have the same common name	Two or more plants always have different scientific names
5.	Many species do not have common names	All known plants have scientific names

In earlier days plant names ware long and descriptive

Eg.- *Salix pumila angustifolia altera*

The scientific name of plant consist of two separate Latinized words i.e. *genus* and *species*

Eg.- *Ocimum sanctum*

Generic Name

❖ Always noun and written in capitalized initial letter and remainder small

❖ May be in honour of name of reputed person, eg. *Candollea* in honour of A. P. de Candolle, *Bauhinia* in honour of Gaspar Bauhin

❖ May be descriptive with reference to common character, eg. *Xanthoxylum*

Species Name

❖ Written in small letter

❖ May be a name in honour of person, eg. *roxburghii*

❖ Derived from geographic location, eg. *indica, maxicana*

❖ Derived from some characters and old common name.

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