

## Preface

Botany as we all know is also known as the science of plants, basically this field of biology deals with the study of plant life. Though fungi and algae have some non-green species their study is also included in botany. It is believed that approx. 4 lac species are studied under this field of biology. Botany is one of the most ancient field of science as it has been studied since the evolution of humans. They started identifying the harmful and useful plants at a very early age. Finally, humans started cultivating edible and medicinal plants in the early 15th century; Padua botanical garden is one of the most ancient gardens to have studied plants with written records and botanical study parameters.

Now in present age the advancement in technology and technical assistance is used to study plants; some of the most advanced techniques present today are electron and optical microscopy, cell imaging, enzymes analysis, genetic engineering, etc. The advancement of botany is even capable to create hybrids of plants these days, and this is because botanists invented the techniques to explore molecular genetics, DNA sequencing to classify species into classes more specifically.

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Editor