The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the frame, creating a modern, layered effect. The central area is white, providing a clean backdrop for the text.

An Introduction to Botany

What is Botany?

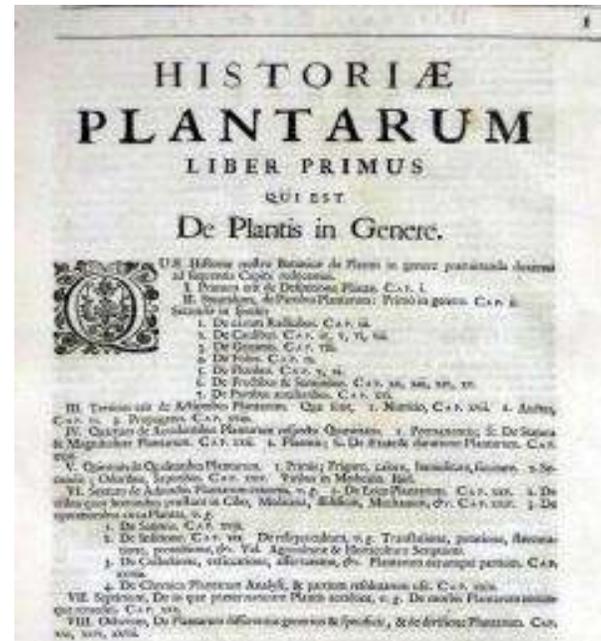
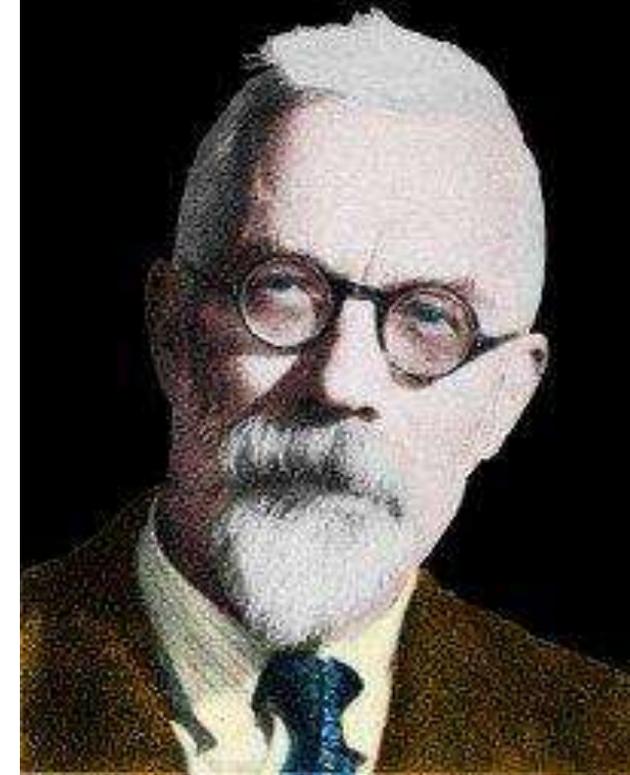
- ▶ The word '**Botany**' derives from the Greek word '**Botane**' which means herb i.e. plants.
- ▶ **Botany** is the scientific study of plants. "Plants," to most people, means a wide range of living organisms from the smallest bacteria to the largest living things - the giant sequoia trees.

By this definition plants include: algae, fungi, lichens, mosses, ferns, conifers and flowering plants.



Who is the father of botany?

- ▶ The Greek naturalist **Theophrastus** (371-287 BC), a student of **Aristotle**, prepared a list of 500 plants with their names and description, presented in “*Historia Plantarum*” based on habit. It is the oldest experience in botanical work and so **Theophrastus** is called the father of Botany.





**Why
you
choose
Botany?**

Career Opportunities and Job Prospects

- ▶ After dully completing their bachelor's education in Botany, a candidate can look forward to being a part of the industry by working as a technician, whereas, a candidate after completing his/her master's education can look forward to working with some industry giants or being a part of good research teams.
- ▶ The amount of diversity in the field of Botany gives it students to choose their **specializations** as per their choice, aptitude and interests. There is huge scope of being a part of this industry merely keeping in mind the amount of diversity it has to offer.
- ▶ One can be a part of any reputed organization as a plant *explorer, conservationist, ecologist, environment consultant, horticulturist, plant biochemist, nursery manager, genetics, molecular biologist, taxonomist, plant pathologist, environmental consultant and farming consultant.*

Career Opportunities and Job Prospects

- ▶ Moreover the application of plant sciences improves the yield and supply of medicines, foods, fibers, building materials and other plant products. The knowledge of plant sciences is essential for development and management of forests, parks, waste lands, sea wealth etc.

Few of the industries which one can work with are: Chemical Industry Food Companies, Arboretum, Forest Services, Biotechnology Firms, Oil Industry, Land Management Agencies, Seed And Nursery Companies, Plant Health Inspection Services, National Parks Biological Supply Houses, Plant Resources Laboratory, Educational Institutions

Scope of Botany after B.Sc.

1. Teaching (CSSC, PSC)

1. Agriculture

1. WBCS

1. PSC (officer, clerk, miscellaneous)

1. Forensic Science

1. Forest department (IFS, Ranger and other)

1. Research assistant

Scope of Botany after M.Sc.

- ▶ Opportunity to research
 - ▶ **Educationist in colleges and universities**
 - ▶ As scientist in BSI, Plant Protection, plant conservator, IFS, Seed conservator, Research scholar of CSIR lab and other lab, forensic laboratory, Rice and wheat research institute, plant genomic research, etc.
 - ▶ **M.Tec.**
 - ▶ Post Doc.
 - ▶ Teaching.

COMPILED BY KOUSIK GHOSH
FROM DIFFERENT SOURCES

THANK YOU