

# HABIT & HABITAT OF ALGAE

# HABIT AND HABITAT

- ◉ More than 30,000 species of algae are found in different habitats.
- ◉ Most of the species of algae are aquatic.
- ◉ Which are usually found in fresh water bodies like ponds, ditches river, springs.
- ◉ The habitat of algae may be classified into three groups:
  1. Aquatic habitat
  2. Terrestrial habitat
  3. Special habitat

# AQUATIC HABITAT

- On the basis of nature of water , aquatic algae are of two kinds
  1. Fresh water algae- most members of chlorophyceae, charophyceae, cyanophyceae and xanthophyceae. Eg- chara, volvox, ulothrix etc.
  2. Marine water algae- most of the members of the class phaeophyceae and rhodophyceae. Eg- ectocarpus, sargassum, fucus, laminaria.

# TERRESTRIAL ALGAE

- Some of the algae are found on moist and water logged soil.
- These algae are called edaphophytes.
- Eg- vaucheria, botrydium
- Fritschiella is an algae which is found in moist acidic soil.

# SPECIAL HABITAT

- It is also observed that some species of algae are found in some special habitat
- 1. Epiphytic algae- eg- ulothrix, oedogonium
- 2. Symbiotic algae- eg- nostoc and anabaena
- 3. Parasitic algae- eg- cephaluros
- 4. Thermal algae- eg- phormidium, mastigocladus.
- 5. Cryptophytic algae- eg- chlamydomonas
- 6. Endophytic algae- eg- nostoc and anabaena
- 7. Endozoic algae- eg- chlorella