

Photosynthesis PART II

Equivalent to 4 hours of classes

Course: Plant Physiology and Biochemistry (M.Sc)

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Content

- **Brief idea about reaction center and antenna complex**
- **Parameters to calculate the efficiency of light in photosynthesis**

- **Light Reaction and Dark Reaction (Light independent reaction):**
- **Structure of chloroplast and organization of the**

- **Photosynthetic apparatus**
- **Biochemical features of Light reaction**
- **Light Reaction has following steps**

- **Light absorption and energy conversion**
- **Oxidation of water**
- **Electron flow and NADP reduction**

All the contents have figures copied from books , research articles and various websites. Therefore, due to copyright issue the detailed slides can not be uploaded. I request all the M.Sc students to check your mail for the detailed slides.

Suggested readings:

1. Buchanan B, Gruissem G and Jones R. (2000) Biochemistry and Molecular Biology of Plants, American Society of Plant Physiologists, USA.
2. Taiz L and Zeiger E. (2017) Plant Physiology, 4th Edition, Sinauer Associates Inc. Publishers, Massachusetts, USA.