

PHOTOSYNTHESIS

This book contains selected overviews on several important aspects of photosynthesis, and provides both tutorial content and critical insight into the future of photosynthesis research. Photosynthesis has been a challenging scientific topic, which involves a complex biochemical and biophysical process. Deeper and greater understanding of this process holds a promise for a sustainable earth, with a pollution-free environment necessitating advent of newer technologies for food and cleaner energy. There have been global efforts to mimic the photosynthetic process to meet the needs of the future. This book, with 19 articles, provides not only the basics of the process and its applications, but it also gives a glimpse of the recent progress and future perspective on photosynthesis.

Salient features:

- High quality peer-reviewed articles, accompanied by in-text citation of milestone research, with full references at the end of each article.
- Contribution by sixty-four eminent researchers and academicians from Asia, Europe, USA, Canada, and Russia.
- One of the rare unifying themes under photosynthesis research, which is "regulation of photosynthesis by various limiting/stress factors".
- State-of-the-art analytical techniques, well-laid-out results and findings, and pictures and diagrams (many in color).

With its unique coverage and emphasis, this book will be useful for not only researchers, but teachers and students as well. It can be used both as a reference as well as a textbook for courses in Plant Biology, Environmental Biology, and Agriculture.

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