

Methods for Analysis of Carbohydrate Metabolism in Photosynthetic Organisms:

Plants, Green Algae, and Cyanobacteria

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Methods for Analysis of Carbohydrate Metabolism in Photosynthetic Organisms contains useful protocols for researchers working on the determination of carbohydrate metabolism. This book provides foundational content as well as step-by-step guidance on how to design and conduct an experiment, including what other methodologies could be used if advanced instruments are not readily available.

Methods for Analysis of Carbohydrate Metabolism in Photosynthetic Organisms covers analysis of both general and detailed aspects of carbohydrate metabolism in photosynthetic organisms along with the four main oligosaccharides and each enzymatic reaction which gives birth to them. Chapters include information on how biological active protein is extracted for different cells, determination of enzymatic activity, separation of proteins by different available methods, and descriptions of analytical methods for the determination of various types of carbohydrates in photosynthetic organisms.

Key Features

- Includes a variety of analytical methods and how to apply the methods using examples from specific case studies.
- Discusses technical information on how to characterize plant carbohydrates and sugar nucleotides.
- Contains easy-to-follow protocols with detailed explanations for self-guidance.



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