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Metabolism of Photosynthetic Organisms

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Message from the Guest Editors

Photoautotrophic carbon fixation occurring in green plants and photosynthetic bacteria can be considered as an interface between non-living matter and living organisms. Assimilated carbon enters into a complex system of biochemical reactions, which produces a huge variety of organic molecules (metabolites). This complex biochemical network enables living organisms to maintain growth, development, and reproduction (central metabolism) and to build up protection against adverse environmental conditions (specialized metabolism). In a living cell, the reactions of central and specialized metabolism are intertwined and interconnected through common substrates and regulatory mechanisms...

In the present Special Issue, we would like to invite new studies and reviews dealing with fundamental and practical aspects of metabolism in photoautotrophic organisms from photosynthetic bacteria to angiosperms.



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Special Issue



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Message from the Editor-in-Chief

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