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Metabolism of Photosynthetic Organisms

Guest Editors:

Dr. Tatyana V. Savchenko

Institute of Basic Biological Problems, Russian Academy of Sciences, 142290 Pushchino, Russia

Dr. Andrej Frolov

1. Department of Bioorganic Chemistry, Leibniz-Institut für Pflanzenbiochemie, Weinberg 3, 06120 Halle (Saale), Germany
2. Department of Biochemistry, St. Petersburg State University, 199034 St Petersburg, Russia

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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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Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

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Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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