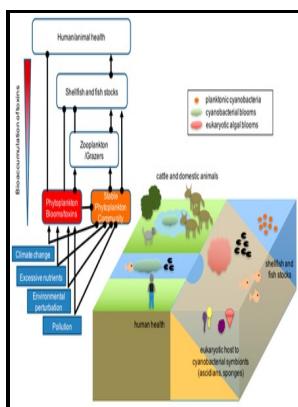


Structure of phototrophic prokaryotes

CRC Press - Taxonomy of Phototrophic Prokaryotes



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- Electron microscopy
- Photosynthetic bacteria
- Prokaryotes -- Physiology
- Structure of phototrophic prokaryotes

Notes: Includes bibliographical references and index
This edition was published in 1991



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Photophosphorylation can be used as a supplementary source of energy, with a transient enhancement of aerobic growth following a shift from dark to illumination Harashima et al. Some bacteria and archaea are phototactic.

22.3A: Energy and Nutrient Requirements for Prokaryotes

In contrast, anoxygenic photosynthetic bacteria have a substance called — which absorbs predominantly at non-optical wavelengths — for light-energy capture, live in aquatic environments, and will, using light, oxidize chemical substances such as rather than water. It is a common misconception that phototrophs are obligatorily. Keywords: bacteriochlorophyll; chlorophyll; energy transfer; light harvesting; near-infrared spectroscopy; time-resolved spectroscopy.

Structure of phototrophic prokaryotes (1991 edition)

In: Boone DR, Castenholz RW eds.

Light harvesting in phototrophic bacteria: structure and function

. But later, they are swimming downward. The larvae show two dots on the head, which are the shading pigment of their adult cup eyes that mediate phototaxis.

Light harvesting in phototrophic bacteria: structure and function

The thylakoid cyanobacteria , intracytoplasmic chromatophore membrane purple bacteria , and chlorosome green bacteria models are presented based on ultrastructural studies including ultra-thin sections, 3-D reconstruction of thick sections, freeze-fracture replicates, and immunolabeling.

Structure of Prokaryotes

However, non-phototrophic representatives of the green sulfur bacterial and the cyanobacterial lineages have not been isolated to date. Platynereis

dumerilii larvae can switch between positive and negative phototaxis.

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