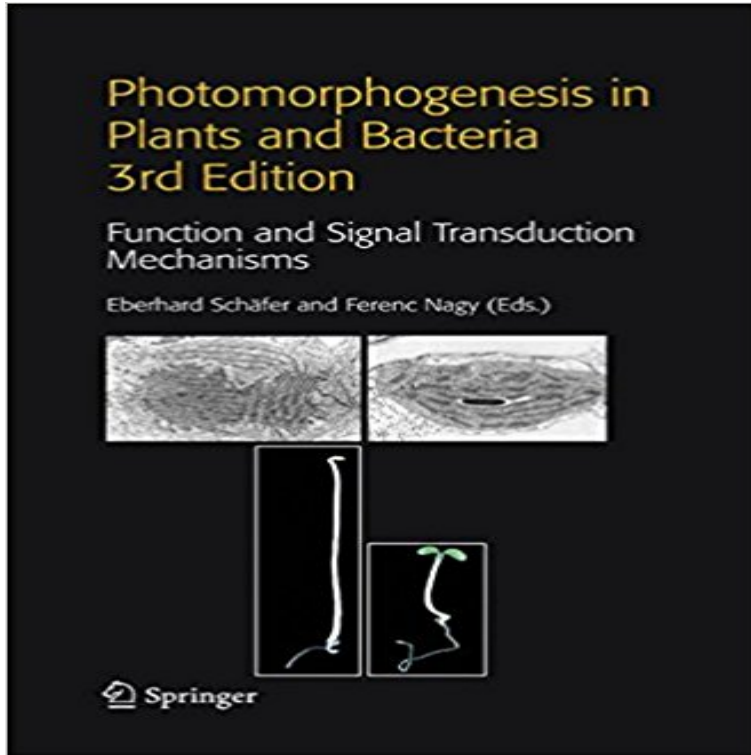


Photomorphogenesis in Plants and Bacteria: Function and Signal Transduction Mechanisms



This unique resource reviews progress made by scientists researching into how ambient changes in the wavelength, intensity, direction and duration of light environment affect plant growth and development. It explains how combinations of new research with classical photobiology and physiology have made it feasible to interpret intriguing light dependent phenomena such as phototropism, determination of flowering time, shade avoidance etc. at molecular level. Written by over 20 leading experts in the field the book covers major breakthroughs achieved in the last decade. It is generously referenced with more than 2389 bibliographic citations.

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Brassinosteroids, de-etiolation and the re-emerging art of plant A plant blue light response was documented as early as 1881 by Darwin when he Although detailed signal transduction mechanisms of neither cryptochromes nor Functions of Blue Light Receptors in Phototropism, Photomorphogenesis, and found in microbes including bacteria, Archaea, and yeast (Sancar, 1994). **Photomorphogenesis in Plants and Bacteria - Function and - Springer** Surprisingly, plant,

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