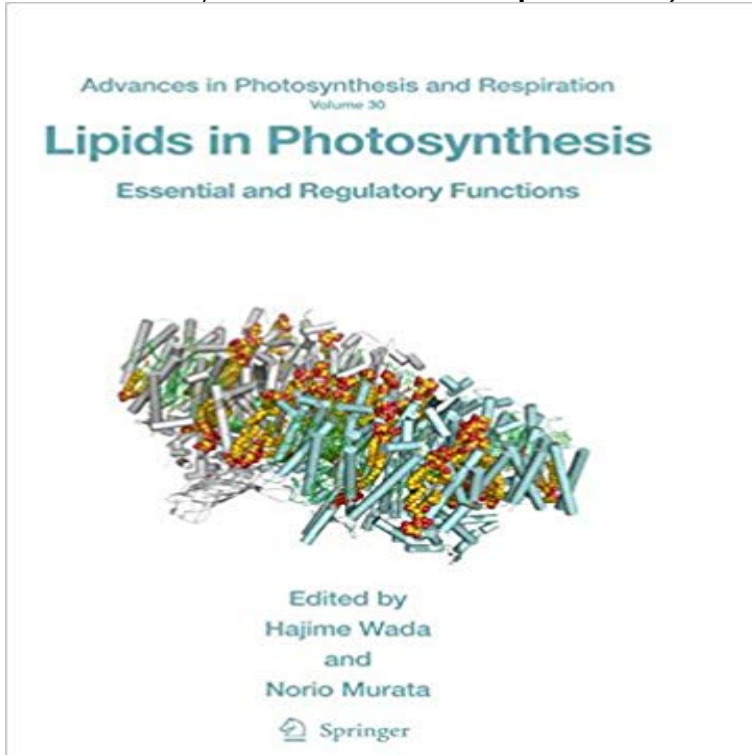


# Lipids in Photosynthesis: Essential and Regulatory Functions (Advances in Photosynthesis and Respiration)



Lipids in Photosynthesis: Essential and Regulatory Functions, provides an essential summary of an exciting decade of research on relationships between lipids and photosynthesis. The book brings together extensively cross-referenced and peer-reviewed chapters by prominent researchers. The topics covered include the structure, molecular organization and biosynthesis of fatty acids, glycerolipids and nonglycerolipids in plants, algae, lichens, mosses, and cyanobacteria, as well as in chloroplasts and mitochondria. Several chapters deal with the manipulation of the extent of unsaturation of fatty acids and the effects of such manipulation on photosynthesis and responses to various forms of stress. The final chapters focus on lipid trafficking, signaling and advanced analytical techniques. Ten years ago, Siegenthaler and Murata edited Lipids in Photosynthesis: Structure, Function and Genetics, which became a classic in the field. Lipids in Photosynthesis: Essential and Regulatory Functions, belongs, with its predecessor, in every plant and microbiological researchers bookcase.

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