

Flavins and flavoproteins are a widely investigated and highly versatile group of compounds. Participation of these compounds in photochemistry and photobiology processes are of particular importance in the fields of biology, chemistry and medicine.

Written by leading experts in the field, each section of the book includes a historical overview of the subject, state of the art developments and future perspectives. **Flavins: Photochemistry and Photobiology** begins with the properties and applications of flavins, including their photochemistry in aqueous and organic solutions. Subsequent sections discuss riboflavin as a visible light sensitizer in the photo degradation of drugs, antiviral and antibacterial effects, the role of flavins in light induced toxicity and blue light initiated DNA repair by photolyase. Finally, there are sections on the flavin based photoreceptors in plants, bacteria and eukaryotic photosynthetic flagellates.

This book brings together leading experts with a unique interdisciplinary emphasis, to provide an authoritative resource on flavins and their role in photochemistry and photobiology.

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