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Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Editors; Contributors; Chapter 1: Introduction: Historical Vignettes from the Field of Photomedicine; Chapter 2: History and Fundamentals of Lasers and Light Sources in Photomedicine; Chapter 3: Light-Tissue Interactions; Chapter 4: History and Fundamentals of Photodynamic Therapy; Chapter 5: History and Fundamentals of Low-Level Laser (Light) Therapy; Chapter 6: UV Effects on the Skin; Chapter 7: Photocarcinogenesis Nonmelanoma Skin Cancer; Chapter 8: Autoimmune Photodermatoses; Chapter 9: Photoaggravated Dermatoses; Chapter 10: Photoaging Chapter 11: UVR-Induced Immunosuppression Chapter 12: The Porphyrias; Chapter 13: Photoprotection; Chapter 14: Botanical Antioxidants for Photochemoprevention; Chapter 15: Reversal of DNA Damage to the Skin with DNA Repair Liposomes; Chapter 16: Climate Change and Ultraviolet Radiation Exposure; Chapter 17: Photochemistry and Photobiology of Vitamin D; Chapter 18: UVB Phototherapy for

Psoriasis; Chapter 19: PUVA Therapy; Chapter 20: Extracorporeal Photopheresis; Chapter 21: Ultraviolet C Therapy for Infections; Chapter 22: Recent Advances in Developing Improved Agents for Photodynamic Therapy

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Chapter 43: Photodynamic Therapy for Malignant Pleural Disease;

Chapter 44: Clinical Photodynamic Therapy in the Chinese Region;

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#### Sommario/riassunto

Providing the most comprehensive, up-to-date coverage of this exciting biomedical field, *Handbook of Photomedicine* gathers together a large team of international experts to give you a complete account of the application of light in healthcare and medical science. The book progresses logically from the history and fundamentals of photomedicine to diverse therapeutic applications of light, known collectively as phototherapies. It facilitates your understanding of human diseases caused by light, the rationale for photoprotection, and major applications of phototherapy in clinical practice.

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