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Titolo	Photocarcinogenesis & Photoprotection / / edited by Ratan Singh Ray, Chandana Haldar, Ashish Dwivedi, Neeraj Agarwal, Jyoti Singh
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ISBN	981-10-5493-2
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Descrizione fisica	1 online resource (181 pages)
Disciplina	615.831
Soggetti	Cancer research Radiation protection Radiation—Safety measures Immunology Nanotechnology Gene expression Cancer Research Effects of Radiation/Radiation Protection Gene Expression
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Module 1. Introduction of Ultra-Violet Radiation -- Module 2. Mechanism of UV-A & UV-B induced mutation in skin -- Module 3. Phototoxicity and Drugs -- Module 4. PAHs & Its Phototoxicity mechanism under UV-R -- Module 5. Photoaging -- Module 6. Epidemiological aspects of photocarcinogenesis -- Module 7. Immunomodulation & photocarcinogenesis -- Module 8. Molecular & Genetic response of human skin under UV-R -- Module 9. Role of personal care products and Phototoxicity -- Module 10. Protective role of phytochemicals against UV-R -- Module 11. Role of nanotechnology in skin cancer remedies -- Module 12. Future Challenges of UV-R induced skin diseases worldwide.
Sommario/riassunto	This book highlights the problem of UV-R-induced photocarcinogenesis and its molecular mechanism. It covers different photosensitive xenobiotics (drugs, cosmetics, and environmental

pollutants) and their photosensitization mechanisms under ambient UV-R exposure. It also summarizes the role of nanotechnology in skin cancer remedies. It provides a brief overview of the various novel nanocarriers for cosmeceuticals like nanoemulsions, liposomes, solid lipid nanoparticles (SLNs), dendrimers, inorganic nanoparticles, nanocrystals, etc., nanotechnology-based cosmeceutical products which are available in the market. It highlights the possible health hazards caused by nanoparticles on exposure of nano-based cosmetics and describes the recent regulatory rules applied to avoid the nanotoxicity. .