

Summary

The sunlight is essential for life and is important for human health, but too much exposure to the shorter wavelength component of solar UV-radiation displays the body and skin solar burns and may cause significant risks to the skin at a later date of a person's life, such as skin cancer.

Clothing has the ability to protect the skin from incident solar radiation especially ultraviolet radiation with a wavelength (280-315) .

The main tasks of the present thesis are to carry out research and development work in the area of enhancing UV-protection, a novel treatment for multifunctional finishing, printing and finishing in one step for attaining non-traditional and high value added textile products.