

戶外休閒防護衣之設計與開發

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摘要

根據世界觀光組織 (UNWTO, 1999) 預估到 2020 年時，未來觀光人數將成長到 1.6 兆，年平均成長率為 4.3%；運動休閒觀光人口追隨經濟發展相繼增加，但是隨著環境暖化和工業污染所造成的氣候異常，為以戶外休閒生活為目標的現代增添了一絲安全 and 健康未能保全的疑慮。地球暖化造成的氣溫急遽變化，所帶來的各式災害對人類健康造成威脅，為避免危害發生休閒防護衣的性能開發和防護加強是必要的。本研究根據目前戶外休閒服飾的研發設計趨勢分析，提出改善目前市售商品防護缺失，達到消費者穿著的時刻防護機制，讓戶外休閒服飾具備流行、美感、機能性同時兼具防護、舒適、保護與提升運動效能的特性。

關鍵字：休閒、地球暖化、防護機制

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Design and development of outdoor leisure protective clothing

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Abstract

According to a forecast by World Tourism Organization (UNWTO, 1999), the international tourism worldwide will grow to reach 1.6 trillion by 2020, with an average annual growth rate of 4.3%. The population for the leisure sports tourism will increase as the world economy continues to grow. With the natural disasters and climate anomalies caused by environmental warming and industrial pollution, however, there is a trace of doubt growing concerning the safety and health of sports tourism. The phenomenon of rapid changes in Earth's temperature caused by global warming, and the various types of disasters that resulted from it, has also posed a threat to human health. To keep people safe from being harmed by natural disasters, it has become necessary to further develop the performance of the protective sports clothing for protection enhancement. Based on the analysis of current research and development trend of sportswear, this paper puts forth an improvement to the protection deficiency of currently available merchandise for a long-lasting personal protection mechanism that consumers can wear, so as to allow the leisure sports clothing to be fashionable, aesthetic and functional, while at the same time providing the characteristics of shielding, comfort, protection and enhancement to athletic performance.

Key words: Sports and leisure, sightseeing population, global warming, protective mechanis