

The Special Issue of ISU Proceeding "Journal of Silk" Released Globally

"Carbon neutrality" marks a great historical course which has not only brought an energy revolution but made a profound systemic change of the economic society. In recent years, an increasing number of enterprises and institutions have turned their attentions towards low carbon manufacturing to demonstrate their social responsibilities, accordingly in response to the pressure from the government, society and public. The industry of sericulture and silk is endowed with such sustainable characteristics as being green, low-carbon emission and environmental protection. To support the proposals launched by international organizations such as ISU (International Silk Union) and ISC (International Sericultural Commission), various silk producing countries have performed successive studies on the life cycle assessment (LCA) of the silk products by quantifying and evaluating carbon footprint, water footprint, chemical footprint, social responsibility, etc. during the key links of the full life cycle, such as raw material extraction, product manufacturing and processing, marketing, use, disposal or rendering critical support for green design, green manufacturing and green consumption of the silk products so as to achieve the goals of resource conservation, environmental protection and green development.

To support and promote the "sustainable development of silk" and to commemorate the 65th anniversary of Journal of Silk, Zhejiang Sci-Tech University and International Silk Union have jointly published the 2021 special issue of Journal of Silk. The special issue gathers the most authoritative and cutting-edge intellectual achievements of sustainable silk researches, included in the columns of "Industry outlook", "International silk sustainable development trends", "Special reports" and so on. Featuring "ocean carbon sink", the cover of the issue presents live marine creatures such as seaweeds, coral reefs, seagrass beds, and mangroves, all of which play an essential role in ocean carbon sequestration. The liveliness shown on the cover

manifests the harmonious coexistence between human beings and the ocean. The images of silk-like seaweeds and lovely marine creatures are aimed to call on people's environmental awareness, curb excessive carbon emissions, advocate a new environment-friendly life of carbon neutralization, and give the Earth, the only home of human beings a chance to survive with vitality.

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