



Topic of the Speech:

Study on the Recycling of Various Textile Materials and Their Impact to the Textile Industry Decarbonization

Dr. Eric Wang

R&D and Innovation Director,
SGS Connectivity & Products, Global Softlines
China



Dr. Eric Wang completed a BSc at Peking University and holds a PhD from the University of Guelph in Canada with major in organic chemistry. He has more than 15 years of experience in the development and implementation of innovative sustainability and chemical management solutions, digital platform and technical projects in the global textile and footwear supply chain. Eric is familiar with major international regulations and standards including REACH, CPSIA, bluesign, Higg Index, GRS, carbon footprint, and ESG etc.

Knowledgeable in testing standards such as GB, ISO and AATCC, Eric has provided consultancy services and conducted hundreds of seminars, workshops, and training sessions in more than ten countries globally. He holds an ISO 14001 certificate from the Institute of Environmental Management and Assessment (IEMA) and is a Certified Energy Manager (CEM) by the Association of Energy Engineers (AEE). He also serves as an off-campus graduate student supervisor at Donghua University in Shanghai.

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Eric Wang

SGS-CSTC Standards Technical Services Co., Ltd.

4/F, 4th Building 889 Yishan Road, Xuhui District, Shanghai, P.R. China, 200233

*Presenter's email: eric.wang@sgs.com

ABSTRACT (NO MORE THAN 500 WORDS:)

The presentation will outline various recycling process of common textile materials, such as polyester, nylon, cotton, wool etc. in the market, and their impact to the environment. The recycling processes include various types such as mechanical, thermos-mechanical, chemical and enzymatic recycling etc. New textile material such as polyester made from captured carbon dioxide is also included in the discussion. The impact of the new materials to the textile industry decarbonization will also be discussed.