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Titolo	Eco-dyeing, finishing and green chemistry : selected, peer reviewed papers from the 2011 International Conference on Eco-Dyeing, Finishing, and Green Chemistry (EDFGC 2011), June 8-12, 2011, Hangzhou, China / / edited by Jianzhong Shao and Qinguo Fan
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Eco-Dyeing, Finishing and Green Chemistry; Preface, Committees and Sponsors; Table of Contents; Chapter 1:Textile Eco-Dyeing & Finishing; Sustainable Cotton Dyeing; Non-Formaldehyde Polyfunctional Crosslinking System for Cotton; The Development of a Bio-Scouring Process for Raw Wool Using Protease; Effects of Solvents on the Electrical Resistance of Poly(3,4-ethylenedioxythiophene) on Textiles; Present State of Inkjet Printing Technology for Textile; Colouring by Using Biobased Materials; Functional Finishes for Wool-Eco Considerations Influence of Low Temperature Dyeing Process on Physical and Mechanical Properties of Cashmere KnitwearTreatment of Wool Fabrics by Argon Atmospheric Pressure Low Temperature Plasma and its Dyeing; A Study on Supercritical CO2 Dyeing of Milk Protein Fiber with Capsanthin and its Function; Research on the Dyeing Property of

Natural Food Pigments on Cotton Fabric; Dyeing of Polyester/Cotton Blends with Encapsulated Disperse/Reactive Dyes for a One-Bath Auxiliary-Free Process; Dyeing of Pearl Fiber by Walnut Peel Dye Studies on Crosslinking Dyeing of a Series of Crosslinking Dyes by a Crosslinker The Process of Silk Fabric Printed with Mulberry Red; Dyeing Silk with Tea Polyphenol; Effect of Soaping Process on Crimp Properties of Optim Wool; The Effect of Mordan Complexation of Natural Pigments on the Dyeing of Wool Dyeing of Natural Pigments; The Effect of Different Plasma Treatments on the Pigment Dyeing of Cotton Fabrics; Application of Immobilized Cellulases on Ramie Fabric Finishing; Ultrasonic Assisted Alkali-Oxidation Process for the Degumming of Kudzu Fiber  
 Adsorption Behavior of Annatto Dye on Cotton Fabrics Modified by Sericin Study on One-Bath Dyeing Technology and its Application for Disperse/Reactive Dyes on Polyester/Viscose Blended Fabrics; A Study on Ultrasonic Technology in Silk Degumming; Semen Litchi Extract Dyeing on Silk Fabrics; Reaction of a Heterobifunctional Reactive Dye (C.I. Reactive Red 195) with Amino Groups and Phenol Groups; Non-Aqueous Dyeing of Reactive Dyes in D5; Preparation of Organic Pigment Microcapsules and its Application in Pigment Printing of Silk Fabric Short-Flow and High-Efficiency Dyeing Process of Sulfur Black on Cotton Fabrics Dyeing of Silk with Natural Plant Extract from *Rhizoma picrorhizae*; Physical Properties and Dyeing Behavior of the Hollow-Triangle Nylon6 Fiber; Fading of Silk Fabric Dyed with Phellodendron; Effects of Polar Solvent on the Structure and Properties of M-Aramid Fibers; Effect of Cellulase Hydrolysis on Dyeing Properties of Linen; One-Step Ink-Jet Printing and Anti-Crease Finishing for Silk; Bring Structural Color to Silk Fabrics; Color Fading of Indigo-Dyed Cotton Denim Fabric by Laser  
 Stabilization of Natural Dyes by High Levels of Antioxidants

#### Sommario/riassunto

EDFGC is an international conference series covering research and development in the fields of textile dyeing/finishing and green chemistry. With its theme of "Innovation, Eco-Textile and Sustainability", the 2011 conference provided a platform for the presentation of research findings, the exchange of innovative ideas and the seeking-out of opportunities for collaboration, in the above fields, among both academics and industrialists all over the world. The proceedings of EDFGC 2011 include Eco-Dyeing & Finishing, Functional Textiles, Green Chemistry and Functional Chemicals, Pollution Contr