

## Preface

This proceedings contains the papers presented at International Conference on Eco-Dyeing/Finishing & Green Chemistry (EDFGC 2011) hosted by Zhejiang Sci-Tech University on June 8-12, 2011, in Hangzhou, China. With the theme of “**Innovation, Eco-Textile and Sustainability**”, the conference has fulfilled the expectations of providing the preeminent forum for presenting latest research findings, exchanging innovative ideas, and discussing new technologies in the field of textile dyeing/finishing and green chemistry.

Being organized and held in Zhejiang Sci-Tech University, the conference is of special significance for the university, the oldest school with a textile education history of over 110 years in China, and for the city, Hangzhou, the epicenter of Chinese modern textile industry. It offered the participants great opportunities to feel the pulse of textile research and development, manufacturing, and education in China and around the world.

Thanks to the great efforts of the EDFGC 2011 committees and the dedication of participants, the conference featured approximately 150 papers covering following topics:

Eco-Dyeing & Finishing

Functional Textiles

Green Chemistry and Functional Chemicals

Pollution Control and Energy Conservation

Fundamental Research and Test & Characterization

We are grateful to the conference committee members, the sponsors, the session chairs, our colleagues, and all volunteers for their devotion and hard work that have made this conference and proceedings possible and successful. We would also express our special gratitude to all paper reviewers for their outstanding efforts in reviewing a large number of papers. Finally, we would like to thank the participants for sharing their work.



Jianzhong Shao

Presiding Chairperson of EDFGC 2011

August 20, 2011

**Hosted by:** Zhejiang Sci-Tech University (ZSTU)



**Organized by:**

Engineering Research Center for Eco-Dyeing & Finishing of Textiles, Ministry of Education, China

Zhejiang Provincial Top Key Academic Discipline of Applied Chemistry and Eco-Dyeing & Finishing Engineering, China

Key Laboratory of Advanced Textile Materials & Manufacturing Technology, Ministry of Education, China

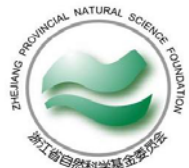
Zhejiang Society of Textile Engineering, China

**Sponsored by:**

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China Dyeing & Printing Association (CDPA)



American Association of Textile Chemists and Colorists (AATCC)



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