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Authors: Haiyan Mao, Ling Lin, Zhipeng Ma, Chaoxia Wang



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Dual-responsive cellulose fabric based on reversible acidichromic and photoisomeric polymeric dye containing pendant azobenzene

Haiyan Mao^{1, 2}, Ling Lin³, Zhipeng Ma¹, Chaoxia Wang^{*, 2}

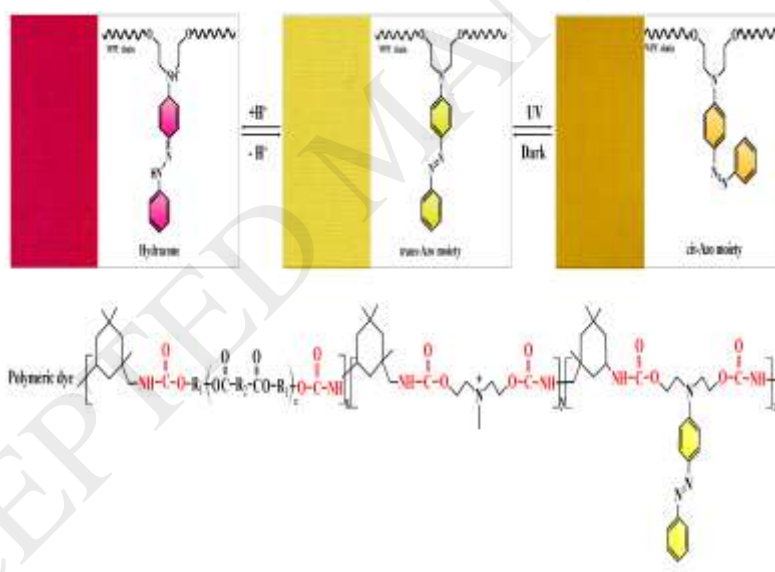
¹School of Textile & Clothing, Yancheng Institute of Technology, Yancheng, 224051, China

²Laboratory of Eco-Textiles, Ministry of Education, Jiangnan University, Wuxi, 224122, China

³School of Materials Engineering, Yancheng Institute of Technology, Yancheng, 224051, China

*Corresponding author, email: wangchaoxia@sohu.com

Graphical abstract



Highlights

- A polymeric dye based on waterborne polyurethane and azobenzene chromophore was designed and synthesized.
- A dual-responsive cellulose fabric was successfully developed with the polymeric dye via coating.

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