

# 亚麻面料仿旧色彩生态染整研究

曹颖<sup>1</sup>, 黄雪红<sup>2</sup>, 魏张霞<sup>2</sup>, 曹宗满<sup>3</sup>

(1.嘉兴职业技术学院,浙江 嘉兴 314000;  
2.江苏工程职业技术学院,江苏 南通 226007;  
3.浙江嘉欣金三塔丝绸服饰有限公司,浙江 嘉兴 314000)

**摘要:**为满足亚麻面料利用自带色素达到表面泛白仿旧色彩和柔软手感的需求,研究亚麻面料表面氧漂、再退煮的工艺处方及条件。结果表明,100%双氧水用量为3.0%、渗透剂JFC用量为2.0%、精练粉TF135A用量为10.0%、汽蒸时间30 min,亚麻面料底面色素保留,色牢度好,表面泛白,仿旧效果好;退煮酶TF-165用量为2.0%、60 °C处理40 min,面料的毛效为8.18 cm,达到服用要求。

**关键词:**亚麻;仿旧;生态染整;毛效

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## Ecological Dyeing and Finishing for Imitation Old Color of Linen Fabric

Cao Ying<sup>1</sup>, Huang Xuehong<sup>2</sup>, Wei Zhangxia<sup>2</sup>, Cao Zongman<sup>3</sup>

(1.Jiaxing Vocational and Technical College, Jiaxing, Zhejiang 314000, China;  
2.Jiangsu Engineering Vocational and Technical College, Nantong, Jiangsu 226007, China;  
3.Zhejiang Jiaxin Jinsanta Silk Clothing Co., Ltd., Jiaxing, Zhejiang 314000, China)

**Abstract:**In order to meet the linen fabric with the pigment to achieve the surface white imitation old color and soft feel needs, the process formula and conditions for oxygen bleaching, de-sizing and scouring of linen fabrics were studied. The results show that with 100% hydrogen peroxide of 3.0%, penetrant JFC of 2.0% , scouring powder TF135A of 10.0% , and steaming time of 30 minutes, the pigment on the bottom of the linen fabric is retained, the color fastness is good, the surface turns white, and the imitation effect is good. The fabric is treated with enzyme TF-165 of 2.0% at 60 °C for 40 minutes, giving a wool effect of 8.18 cm, which meets the requirements for consumption.

**Key words:**Linen; Imitation of Old Effect; Ecological Dyeing and Finishing; Wool Effect

随着我国工业的发展,人们的环境保护意识逐步提高,环境保护已经上升到了一定的高度<sup>[1]</sup>。印染行业是高污染行业,据统计,每年生产的70万t染料中,有2%~50%未使用而随废水排放<sup>[2]</sup>。因此,印染

加工实现绿色清洁生产,减少加工工序,可降低污染排放。有学者曾经提出服装面料的极简主义,少消耗、少染色甚至不染色。很多天然纤维自带色素,例如麻纤维自带深褐色,棉纤维自带淡黄色,羊毛纤

维自带黄灰色。传统印染通过化学药剂去除纤维上色素,再用染料对纤维进行染色。亚麻未处理前由纤维素、半纤维素、木质素等交联形成的致密结构具有极强的抗降解特性<sup>[3]</sup>,本文的研究是将亚麻上天

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作者简介:曹颖(1980—),女,副教授,硕士。主要从事生态纺织染整新技术的研究开发与推广及产品质量控制等方面的研究。





