



**PHILIPPINE TEXTILE RESEARCH INSTITUTE**  
DEPARTMENT of SCIENCE and TECHNOLOGY

# **HANDBOOK on PRETREATMENT and DYEING of INDIGENOUS PLANT MATERIALS for WORLD CLASS PRODUCTS**

**Charito P. Cauton, Ciriaco D. Espino, Virmila B. Alvarez**

2004

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Philippine Textile Research Institute  
Department of Science Technology (DOST)  
Metro Manila

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# Foreword

**T**he Philippine Textile Research Institute's (PTRI) expertise and technology on pretreatment and dyeing of indigenous materials are being disseminated to the Small and Medium Enterprises (SMEs) in various parts of the country, through hands on training, lectures, seminars and workshops. Based on PTRI's experience, re-training of participants were requested and conducted only to find out the low level of technology adoption. The main cause was that the techniques were not properly applied, which led to the recurrence of dyeing problems such as color inconsistencies, unlevel dyeing, non-reproducibility of shades and fading of colors.

To address the above concern and to ensure that the practices are adopted and strictly followed, the Institute sees the need to publish this book as a standard guide and reference for the SMEs, particularly the handicraft sector. The book offers practical approach to the technical aspects of pretreatment and dyeing with procedures and formulation based on laboratory data collected through the authors' long years of experience in this field.

The PTRI is delighted to publish this book which signifies the Institute's commitment to the textile and allied industries. The book symbolizes the forging of our strong partnership with the handicraft sector. It is hoped that the readers can make full use of the information contained herein to enhance the quality of the Philippine handicraft products and be able to carve out a niche in the global arena.

**Carlos C. Tomboc, Ph.D.**

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