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Autore	Bechtold Thomas
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Nota di contenuto	Handbook of Natural Colorants; Contents; List of Contributors; Series Preface; Preface; Part I Historical Aspects; 1 History of Natural Dyes in the Ancient Mediterranean World; 1.1 Introduction; 1.1.1 Ancient Mediterranean World; 1.1.2 Dyes from Antiquity; 1.1.3 Unveiling the Secrets of Ancient Dyes with Modern Science; 1.2 Ancient Reds; 1.2.1 Anthraquinone Reds; 1.2.2 Redwoods; 1.2.3 Flavylium/Anthocyanin Reds; 1.3 Ancient Blues; 1.3.1 Indigo Blues; 1.3.2 Anthocyanin Blues; 1.4 Ancient Purple (Tyrian Purple); 1.5 Ancient Yellows; 1.5.1 Flavonoid Yellows; 1.5.2 Carotenoid Yellows 1.5.3 Chalcone and Aurone YellowsAcknowledgement; References; 2 Colours in Civilizations of the World and Natural Colorants: History under Tension; 2.1 Introduction; 2.2 The Triumph of Mauvein: Synthetic Fulfilment of the Antique Purplemania; 2.3 Blue: from Kingly Regional to Globally Democratic; 2.4 Red and Yellow: from Micro to Macro Scales; 2.5 What Future for Natural Colorants in the Dawning Era of

Renewable Resources?; Acknowledgement; References; 3 History of Natural Dyes in North Africa 'Egypt'; 3.1 Introduction; 3.2 Natural Dyes in Pharaonic Textiles; 3.3 Dyeing Techniques
3.4 Dye Sources3.4.1 Woad; 3.4.2 Indigo; 3.4.3 Red; 3.4.4 Yellow; 3.4.5 Black; 3.4.6 Brown; 3.4.7 Green; 3.4.8 Purple; 3.5 Dyeing in Coptic Textiles; 3.6 Wool Dyed Fabric with Natural Dye; 3.7 Dyes in Islamic Textiles; 3.8 Mordants; References; Part II Regional Aspects of Availability of Plant Sources; 4 Dye Plants in Europe; 4.1 Introduction; 4.2 Potential European Dye Plants; 4.3 Cultivation of Dye Plants Yesterday and Now; 4.4 Modern Cultivation Methods for Important European Dye Plants; 4.4.1 General Facts; 4.4.2 Blue Dyeing Plants; 4.4.3 Red Dyeing Plants; 4.4.4 Yellow Dyeing Plants
4.4.5 Brown Dyeing Plants4.5 Production of Dye Extracts; 4.6 Relevant Examples for the Application; 4.7 Conclusions, Discussion and Summary; References; 5 Dyes in South America; 5.1 Introduction; 5.2 Annatto; 5.3 Turmeric; 5.4 Marigold; 5.5 Cochineal and Carmine; Acknowledgements; References; 6 Natural Dyes in Eastern Asia (Vietnam and Neighbouring Countries); 6.1 Introduction; 6.2 Annatto (Botanical Name Bixa orellana L., Family Bixaceae); 6.3 Tea (Botanical Name Camellia sinensis (L.) Kuntze, Family Theaceae); 6.4 Umbrella Tree (Botanical Name Terminalia catappa L., Family Combretaceae)
6.5 Diospyros mollis - Mackloeur (Botanical Name Diospyros mollis L. Griff, Family Ebenaceae)6.6 Indigo (Botanical Name Indigofera L., Family Fabaceae); 6.6.1 Indigofera tinctoria L.; 6.6.2 Indigofera galegoides DC.; 6.6.3 Strobilanthes cusia (Baphicacanthus); 6.7 Henna (kok khan, or khao youak in Laos) (Botanical Name Lawsonia spinosa L., Family Lythraceae); 6.8 Nacre (Botanical Name Khaya senegalensis, Family Meliaceae); 6.9 Sappan Wood (Botanical Name Caesalpinia sappan L., Family Fabaceae); 6.10 Sophora japonica Flowers (Botanical Name Sophora japonica L., Family Leguminosae)
6.11 Turmeric (Botanical Name Curcuma longa L., Family Zingiberaceae)

Sommario/riassunto

Concentration on renewable resources, sustainability and replacement of oil based products are driving forces to reassess the potential of natural resources including natural colorants. The growing consumer interest in purchasing "green" products, which exhibit an improved environmental profile, can be seen as the break-through force needed to reintroduce natural colorants into the modern markets. Written by scientists with specialised knowledge in the field, Handbook of Natural Colorants provides a unique source of information, summarising the present knowledge of natural colorant