

1. Record Nr.	UNISA996335913503316
Titolo	Country report Pakistan / / the Economist Intelligence Unit
Pubbl/distr/stampa	London, : The Unit, ©2002-
ISSN	2047-556X
Descrizione fisica	1 online resource
Soggetti	Economic indicators - Pakistan Economic history Economic indicators Politics and government Wirtschaftslage Pakistan Periodicals. Pakistan Economic conditions Periodicals Pakistan Politics and government 1988- Periodicals Pakistan
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr.	UNINA9910254028703321
Autore	Gürses Ahmet
Titolo	Dyes and Pigments / / by Ahmet Gürses, Metin Açıkyıldız, Kübra Güne, M. Sadi Gürses
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-33892-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (88 p.)
Collana	SpringerBriefs in Green Chemistry for Sustainability, , 2212-9898
Disciplina	667.2
Soggetti	Chemical engineering Chemistry, Organic Environmental chemistry Industrial Chemistry/Chemical Engineering Organic Chemistry Environmental Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Historical Development of Colorants -- Dyes and Pigments: Their Structure and Properties -- Classification of Dye and Pigments -- Dyeing and Dyeing Technology -- Colorants in Health and Environmental Aspects.
Sommario/riassunto	In this book the authors go back to basics to describe the structural differences between dyes and pigments, their mechanisms of action, properties and applications. They set the scene by explaining the reasons behind these differences and show how dyes are predominately organic compounds that dissolve or react with substrates, whereas pigments are (predominantly) finely ground inorganic substances that are insoluble and therefore have a different mode of coloring. They also describe the role of functional groups and their effect on dyeing ability, contrasting this with the way in which pigments cause surface reflection (or light absorption) depending on their chemical and crystalline structure and relative particle size. The book explores the environmental impact of dyes in a section that covers the physical, chemical, toxicological, and ecological properties of dyes and how

these are used to assess their effect on the environment and to estimate whether a given product presents a potential hazard. Lastly, it assesses how, in addition to their traditional uses in the textile, leather, paper, paint and varnish industries, dyes and pigments are indispensable in other fields such as microelectronics, medical diagnostics, and in information recording techniques.
