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Nota di contenuto	Cover; Half Title page; Title page; Copyright page; Dedication; Preface; Acknowledgements; About the Editor; Chapter 1: Removal of Organic Dyes from Industrial Effluents: An Overview of Physical and Biotechnological Applications; 1.1 Introduction; 1.2 Classification of Dyes; 1.3 Technologies for Color Removal; References; Chapter 2: Novel Carbon-Based Nanoadsorbents for Removal of Synthetic Textile Dyes from Wastewaters; 2.1 Introduction; 2.2 Basic Properties of Carbon Nanoadsorbents; 2.3 Adsorption of Textile Dyes by Carbon Nanoadsorbents 2.4 Mechanism of Dye Adsorption onto Carbon-Based Nanoadsorbents 2.5 Conclusion and Future Perspectives; References; Chapter 3: Advanced Oxidation Processes for Removal of Dyes from Aqueous Media; 3.1 Introduction; 3.2 Advanced Oxidation Processes; 3.3 Concluding Remarks; References; Chapter 4: Photocatalytic Processes for the Removal of Dye; 4.1 Introduction; 4.2 Photocatalysis - An Emerging Technology; 4.3 Photo-Oxidation Mechanism; 4.4 Solar Photocatalysis/Photoreactors; 4.5 Solar Photoreactor for Degradation of

Different Dyes; 4.6 Dependence of Dye Degradation on Different Parameters
 4.7 Conclusions Acknowledgement; References; Chapter 5: Removal of Dyes from Effluents Using Biowaste-Derived Adsorbents; 5.1 Introduction; 5.2 Agro-Based Waste Materials as Dye Adsorbents; References; Chapter 6: Use of Fungal Laccases and Peroxidases for Enzymatic Treatment of Wastewater Containing Synthetic Dyes; 6.1 Introduction; 6.2 Textile Dyes - Classifications, Chemical Structures and Environmental Impacts; 6.3 Biodegradation of Synthetic Dyes by White Rot Fungi; 6.4 Fungal Decolorization Mechanisms and Involvement of Ligninolytic Enzymes
 6.5 Classification and Enzymology of Ligninolytic Enzymes 6.6 Enzymatic Treatment of Synthetic Dyes; 6.7 Concluding Remarks; Acknowledgements; References; Chapter 7: Single and Hybrid Applications of Ultrasound for Decolorization and Degradation of Textile Dye Residuals in Water; 7.1 Overview of the Textile Industry, Dyestuff and Dyeing Mill Effluents; 7.2 Sonication: A Viable AOP for Decolorizing/Detoxifying Dyeing Process Effluents; 7.3 Hybrid Processes with Ultrasound: A Synergy of Combinations; 7.4 Conclusions; References
 Chapter 8: Biosorption of Organic Dyes: Research Opportunities and Challenges 8.1 General Considerations; 8.2 Biosorbents; 8.3 Factors Affecting Biosorption; 8.4 Biosorption Isotherms, Thermodynamics and Kinetics; 8.5 Future Perspectives and Challenges; References; Chapter 9: Dye Adsorption on Expanding Three-Layer Clays; 9.1 Introduction; 9.2 Classification of Dyes; 9.3 The Expanding Three-Layer Clay Minerals and Dye Adsorption; 9.4 General Remarks; References; Chapter 10: Non-conventional Adsorbents for Dye Removal; 10.1 Introduction; 10.2 Activated Carbons from Solid Wastes; 10.3 Clays 10.4 Siliceous Materials

Sommario/riassunto

The use of synthetic chemical dyes in various industrial processes, including paper and pulp manufacturing, plastics, dyeing of cloth, leather treatment and printing, has increased considerably over the last few years, resulting in the release of dye-containing industrial effluents into the soil and aquatic ecosystems. The textile industry generates high-polluting wastewaters and their treatment is a very serious problem due to high total dissolved solids (TDS), presence of toxic heavy metals, and the non-biodegradable nature of the dyestuffs in the effluent. The chapters in this book pro

2. Record Nr.	UNINA9910964596403321
Autore	Melzer Scott
Titolo	Gun crusaders : the NRA's culture war / / Scott Melzer
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (336 p.)
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Nota di contenuto	Frontmatter -- Contents -- Acknowledgments -- Preface -- Introduction -- 1 Frontier Masculinity, America's "Gun Culture," and the NRA -- 2 Why a Gun Movement? -- 3 Framing Threats to Gun Rights -- 4 Under Attack -- 5 Fighting the Culture Wars -- 6 The Politics of Commitment -- 7 Right and Far-Right Moral Politics -- 8 The Ties That Bind -- Epilogue -- Appendix -- Notes -- Index -- About the Author
Sommario/riassunto	Nothing conjures up images of the American frontier and a pick-yourself-up-by-the-bootstraps view of freedom and independence quite like guns. Gun Crusaders is a fascinating inside look at how the four-million member National Rifle Association and its committed members come to see each and every gun control threat as a step down the path towards gun confiscation, and eventually socialism. Enlivened by a rich analysis of NRA materials, meetings, leader speeches, and unique in-depth interviews with NRA members, Gun Crusaders focuses on how the NRA constructs and perceives threats to gun rights as one more attack in a broad liberal cultural war. Scott Melzer shows that the NRA promotes a nostalgic vision of frontier masculinity, whereby gun rights defenders are seen as patriots and freedom fighters, defending not the freedom of religion, but the religion of individual rights and freedoms.