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Autore	Mittal Vikas
Titolo	Advances in polymer nanocomposite technology / / Vikas Mittal
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2009
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (viii, 445 pages) : illustrations (some color)
Collana	Polymer science & technology series
Disciplina	620.1/92
Soggetti	Inorganic polymers Composite materials Nanotechnology Nanocomposites (Materials)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	""LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA""; ""CONTENTS""; ""PREFACE""; ""POLYMER NANOCOMPOSITES TECHNOLOGY:AN OVERVIEW""; ""ABSTRACT""; ""1.1. INTRODUCTION""; ""1.2. INORGANIC FILLER MATERIALS""; ""1.3. TYPE OF NANOCOMPOSITE MICROSTRUCTURES""; ""Monomer Intercalation Method""; ""Common Solvent Method or Solution Method""; ""Melt Intercalation Method""; ""1.4. POLYMER-LAYERED NANOCOMPOSITE SYSTEMS""; ""1.5. ADVANCED CLAY MODIFICATIONS""; ""1.6. PRESENCE OF EXCESS MODIFICATION & THERMALSTABILITY""; ""1.7. PREDICTION OF NANOCOMPOSITE PROPERTIES""; ""1.8. OTHER CONSIDERATIONS"" ""REFERENCES"" ""ADVANCES IN POLARNANOCOMPOSITES TECHNOLOGY""; ""ABSTRACT""; ""2.1. INTRODUCTION""; ""2.2. NANOCOMPOSITES OF POLYAMIDES""; ""2.2.1. Effect of Polymer Molecular Weight""; ""2.2.2. Effect of Surfactant""; ""2.2.3. Effect of Polyamide Crystallization""; ""2.2.4. Other Polyamides""; ""2.2.5. Other Nanofillers""; ""2.3. NANOCOMPOSITES OF EPOXY""; ""2.3.1. Formation of Exfoliated Nanostructure""; ""2.3.2. Preparation Methods""; ""2.3.3. Effect of Carbon Nanotubes""; ""2.3.4. Plasticization Effect""; ""2.3.5. Some Properties of Epoxy Nanocomposites"" ""2.4. NANOCOMPOSITES OF POLYURETHANES"" ""2.4.1. Preparation Methods""; ""2.4.2. Waterborne Polyurethanes""; ""2.4.3. Polyurethane

Foams"; "2.5. NANOCOMPOSITES OF POLYIMIDES"; "2.5.1. Preparation Methods"; "2.5.2. Low k Nanocomposites"; "2.5.3. Effect of Carbon Nanotubes"; "2.6. SUMMARY"; "REFERENCES"; "POLYMER/CLAY NANOCOMPOSITES THROUGH EMULSION AND SUSPENSION POLYMERIZATION"; "ABSTRACT"; "3.1. INTRODUCTION"; "3.2. POLYMERIZATION IN DISPERSED MEDIA"; "3.2.1. Polymerization Techniques and Commercial Products"; "Emulsion Polymerization"; "Suspension Polymerization"; "3.3. IMPLICATIONS OF THE TYPE OF CLAY IN THE SYNTHESIS OF WPCNS"; "3.4. NANOCOM. SYNTHESCOMPOSITES USIS OF WAT USING PRISTERBORNE STINE CLAE POLYMERAY DISPERSR/CLAYSED IN WATER"; "3.4.1. Pristine Clay in Aqueous Phase"; "3.4.2. In-situ Modified Clay in Aqueous Phase"; "3.4.3. In-situ Modification of Clay With Non-Cationic Amphiphilic Compounds in Aqueous Phase"; "3.4.4. Blends of Polymeric Dispersions with Clay Dispersions"; "3.5. SYNTHESIS OF WATERBORNE POLYMER/CLAY NANOCOMPOSITES USING ORGANICALLY MODIFIED CLAYS(OMC)"; "3.5.1. OMC Dispersed in the Water Phase and Proceeded as in EmulsionPolymerization"; "3.5.2. OMC Dispersed in the Organic Phase Followed by Emulsion,Suspension or Miniemulsion Polymerization"; "3.5.3. Molar Mass Distribution of WPCN Synthesized Using OMCs"; "3.6. SUMMARY AND FUTURE TRENDS"; "3.7. ACRONYMS"; "REFERENCES"; "STRUCTURE-PROPERTY CORRELATIONS AND INTERACTIONS IN POLYMER/LAYERED-SILICATE NANOCOMPOSITES"; "ABSTRACT"; "4.1. INTRODUCTION"; "4.2. NANOCOMPOSITE STRUCTURE"; "4.2.1. Particle Structure"; "4.2.2. Gallery Structure of the Silicate"; "4.2.3. Exfoliation"; "4.2.4. Silicate Network"

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#### Sommario/riassunto

Polymer nanocomposites have revolutionised the research effort in the field of composites as they lead to the achievement of synergistic effects from the organic and inorganic components of the system and have led to the expansion of the spectrum of application of the commodity polymers to more advanced high end applications.

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2. Record Nr.	UNINA9910954911503321
Titolo	Human rights at work : perspectives on law and regulation / / edited by Colin Fenwick and Tonia Novitz
Pubbl/distr/stampa	Oxford ; ; Portland, Oregon : , : Hart Publishing, , 2010
ISBN	9786612984549 9781472565242 147256524X 9781282984547 1282984543 9781847315977 1847315976
Edizione	[1st ed.]
Descrizione fisica	1 online resource (658 p.)
Collana	Onati international series in law and society
Disciplina	344.0101
Soggetti	Employee rights Human rights Labor laws and legislation
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 and index.
Nota di contenuto	The Application of Human Rights Discourse to Labour Relations : Translation of Theory into Practice / Tonia Novitz, Colin Fenwick -- Workers' Human Rights in Australia / Colin Fenwick -- Legal Protection of Workers' Rights as Human Rights : Brazil / Ana Virginia Moreira Gomes -- The Growing Impact of Human Rights on Canadian Labour Law / Christian Brunelle -- China's Legal Protection of Workers' Human Rights / Liu Cheng, Sean Cooney -- Workers' Human Rights in English Law / A.C.L. Davies -- Enforcing Labour Rights through Human Rights Norms : The Approach of the Supreme Court of India / Ramapriya Gopalakrishnan -- Legal Protection of Workers' Human Rights in Nigeria : Regulatory Changes and Challenges / Chioma Agomo -- Constitutionalisation of South African Labour Law : An Experiment in the Making / Stefan Van Eck -- Legal Protection of Workers' Human Rights : Regulatory Changes and Challenges : The United States / Lance Compa -- UN Covenants and Labour Rights / Sarah Joseph -- Taking

Social Rights Seriously : Is There a Case for Institutional Reform of the ILO? / Jill Murray -- The ILO, Freedom of Association and Belarus / Lisa Tortell -- Protection of Workers under Regional Human Rights Systems : An Assessment of Evolving and Divergent Practices / Tonia Novitz -- Is There a Human Right Not to Be a Union Member? Labour Rights under the European Convention on Human Rights / Virginia Mantouvalou -- Giving with One Hand and Taking with the Other : Protection of Workers' Human Rights in the European Union / Tonia Novitz, Phil Syrpis -- Core Labour Standards in the GSP Regime of the European Union : Overshadowed by other Considerations / Jan Orbis, Ferdi de Ville -- Decent Working Hours as a Human Right : Intersections in the Regulation of Working Time / Deirdre McCann -- Justice without the Rule of Law? The Challenge of Rights Based Industrial Relations in Contemporary Cambodia / Daniel Adler, Michael Woolcock -- Australian Textile Clothing and Footwear Supply Chain Regulation / Shelley Marshall.

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#### Sommario/riassunto

"Concerns associated with globalisation of markets, exacerbated by the 'credit crunch', have placed pressure on many nation states to make their labour markets more 'flexible'. In so doing, many states have sought to reduce labour standards and to diminish the influence of trade unions as the advocates of such standards. One response to this development, both nationally and internationally, has been to emphasise that workers' rights are fundamental human rights. This collection of essays examines whether this is an appropriate or effective strategy. The book begins by considering the translation of human rights discourse into labour standards, namely how theory might be put into practice. The remainder of the book tests hypotheses posited in the first chapter and is divided into three parts. The first part investigates, through a number of national case studies, how, in practice, workers' rights are treated as human rights in the domestic legal context. These ten chapters cover African, American, Asian, European, and Pacific countries. The second part consists of essays which analyse the operation of regional or international systems for human rights promotion, and their particular relevance to the treatment of workers' rights as human rights. The final part consists of chapters which explore regulatory alternatives to the traditional use of human rights law. The book concludes by considering the merits of various regulatory approaches."--Bloomsbury Publishing.

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