1. Record Nr. UNINA9910862089003321

Autore	Kaushik Sanket
Titolo	Current Developments in the Detection and Control of Multi Drug Resistance
Pubbl/distr/stampa	Sharjah : , : Bentham Science Publishers, , 2022 ©2022
ISBN	981-5049-87-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (181 pages)
Altri autori (Persone)	SinghNagendra
Disciplina	616.9041
Soggetti	Multidrug resistance Drug resistance in microorganisms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The rise in the incidence of infections is caused by multi drugresistant (MDR) bacteria, it is essential to elucidate the basic mechanism ofantibiotic resistance to discover effective methods for diagnosis and treatmentof infections. The use of pathogen-specific probes offers a faster alternative forpathogen detection and could improve the diagnosis of infection. High resolutionmelting analysis techniques are useful for the detection of multi drugresistant pathogens. Rational Structural Based Drug Design is a common methodto identify a lead compound and take it forward for further developments.This book provides information about recent strategies involved in thediagnosis and treatment of infections caused by MDR bacteria. The volume coversthe use of molecular probes for the quantification of pathogenic bacteria, alongwith other techniques mentioned above. Chapters also cover the use of identificationof novel drug targets from the Lipid A biosynthesis and also from quorum sensingmediated biofilm formation in MDR bacteria. Chapters also cover herbal alternatives for the treatment of MDRbacteria like the use of Cassiaaungustifolia in treatment of various diseases. The reference is suitablefor biomedical students, cellular and molecular biologists.

2. Record Nr. UNINA9910484232203321

Titolo	Mathematical Models of Granular Matter / / edited by Gianfranco Capriz, Pasquale Giovine, Paolo Maria Mariano
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	9783540782773 354078277X
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XVI, 216 p. 38 illus.)
Collana	Lecture Notes in Mathematics, , 1617-9692 ; ; 1937
Classificazione	76T2574E2074E2582D30
Altri autori (Persone)	CaprizG (Gianfranco) GiovinePasquale <1959->
MarianoPaolo Maria <1966->
BarratAlain <1971->
Disciplina	620.43
Soggetti	Industrial engineering Production engineering Mathematics Mathematical physics Soft condensed matter Industrial and Production Engineering Mathematical Methods in Physics Soft and Granular Matter
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From Granular Matter to Generalized Continuum -- Generalized Kinetic Maxwell Type Models of Granular Gases -- Hydrodynamics from the Dissipative Boltzmann Equation -- Bodies with Kinetic Substructure -- From Extended Thermodynamics to Granular Materials -- Influence of Contact Modelling on the Macroscopic Plastic Response of Granular Soils Under Cyclic Loading -- Fluctuations in Granular Gases -- An Extended Continuum Theory for Granular Media -- Slow Motion in Granular Matter.
Sommario/riassunto	Granular matter displays a variety of peculiarities that distinguish it from other appearances studied in condensed matter physics and

renders its overall mathematical modelling somewhat arduous. Prominent directions in the modelling granular flows are analyzed from various points of view. Foundational issues, numerical schemes and experimental results are discussed. The volume furnishes a rather complete overview of the current research trends in the mechanics of granular matter. Various chapters introduce the reader to different points of view and related techniques. New models describing granular bodies as complex bodies are presented. Results on the analysis of the inelastic Boltzmann equations are collected in different chapters. Gallavotti-Cohen symmetry is also discussed.