

1. Record Nr.	UNINA9910465109303321
Titolo	Polysaccharides [[electronic resource]] : development, properties and applications // Ashutosh Tiwari, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61209-095-8
Descrizione fisica	1 online resource (564 p.)
Collana	Polymer science and technology
Altri autori (Persone)	TiwariAshutosh <1945->
Disciplina	572/.566
Soggetti	Polysaccharides Saccharides Electronic books.
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	<p>""POLYSACCHARIDES: DEVELOPMENT, PROPERTIES AND APPLICATIONS ""; ""POLYSACCHARIDES: DEVELOPMENT, PROPERTIES AND APPLICATIONS ""; ""CONTENTS ""; ""PREFACE ""; "" STIMULI-RESPONSIVE REDOX GUM ARABIC AND POLYANILINE COPOLYMERS CAPABLE FOR BIOSENSOR APPLICATIONS ""; ""ABSTRACT""; ""1. INTRODUCTION ""; ""2. METHOD OF SYNTHESIS, CHARACTERIZATION AND MECHANISM ""; ""3. STIMULI-RESPONSIVE REDOX AND ELECTRICAL CONDUCTIVE BEHAVIOR""; ""4. BIOSENSOR APPLICATIONS""; ""5. CONCLUSION""; ""REFERENCES ""; ""MARINE DERIVED POLYSACCHARIDES AS DRUG DELIVERY SYSTEMS ""; ""ABSTRACT ""; ""1. INTRODUCTION "" ""2. CHITOSAN "" ""2.1. Trimethyl Chitosan""; ""2.2. Carboxymethyl chitosan ""; ""2.3. Sulfated Chitosan ""; ""2.4. Thiolated Chitosan ""; ""2.5. Acyl Chitosan""; ""2.6. Grafted Chitosan ""; ""2.7. Different Applications of Chitosan ""; ""2.7.1. Vaginal Delivery ""; ""2.7.2. Colonic Delivery ""; ""2.7.3. Anticancer Drugs ""; ""2.7.4. Gene Therapy ""; ""2.7.5. Tissue Engineering ""; ""3.ALGINATE""; ""3.1. Different Applications of Alginate ""; ""4. CARRAGEENAN ""; ""4.1. Types of Carrageenan and Related Properties ""; ""4.2. General Properties of Carrageenans [186] "" ""4.2.1. Solubilization and Gelation"" ""4.2.2. pH Stability ""; ""4.2.3. Interaction with Proteins ""; ""4.3. Functional Properties of Carrageenan""; ""4.3.1. Gelling Agent [186] ""; ""4.3.2. Water Holding</p>

Agent [186] ""; ""4.3.3. Thickening and Stabilizing Agent ""; ""4.3.4. Anticoagulant Effect""; ""4.3.5. Antioxidant Activity ""; ""4.3.6. Permeation Enhancer Properties ""; ""4.3.7. Antibacterial / Antiviral Properties ""; ""4.3.8. Stabilization of Liposomal Preparations""; ""4.4. Applications of Carrageenan [186] ""; ""4.4.1. Food Applications ""; ""4.4.2 Non-Food Application ""
""4.5. Pharmaceutical Applications [186] """"4.5.1 Wound Dressings ""; ""4.5.2 Contraceptive Gels [186] ""; ""4.5.3. Cosmetics ""; ""4.5.4. Humidity Control [186] ""; ""4.5.5. Biotechnology (Cell Immobilization) [186] ""; ""4.5.6. Drug Delivery Systems""; ""4.6. Carrageenan Combinations ""; ""4.7. Carrageenan Copolymerization ""; ""4.7.1. HIV/AIDS Related Uses of Carrageenan ""; ""5. CONCLUSION""; ""REFERENCES""; ""CHITOSAN GRAFTING USING MICROWAVE IRRADIATION ""; ""ABSTRACT ""; ""1. INTRODUCTION""; ""2. CHITOSAN: A CARBOHYDRATE POLYMER ""; ""2.1. Chemical Reactivity of Chitosan ""
""2.2. Conventional Methods of Chitosan Grafting """"2.2.1. Grafting Degree and Grafting Efficiency ""; ""2.2.2. %Grafting and %Efficiency""; ""2.3. Microwave Assisted Grafting of Chitosan ""; ""2.4. Mechanism of Grafting under Microwaves ""; ""3. CONCLUSION ""; ""REFERENCES ""; ""SULFHYDRYL GLYCOCONJUGATES PRODUCED BY FILAMENTOUS SHEATH-FORMING MEMBERS OF I²-PROTEOBACTERIA""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. CULTIVATION OF SHEATH-FORMING BACTERIA AND PREPARATION OF SHEATHS ""; ""3. MICROSCOPIC OBSERVATION OF SHEATHS ""; ""4. COMPOSITION OF SHEATHS ""
""4.1. Amino Acid Composition of Sheaths ""
