1. Record Nr. UNINA9910720570703321 Autore Gama Miguel Titolo Bacterial NanoCellulose: A Sophisticated Multifunctional Material // Miguel Gama, Dieter Klemm, Paul Gatenholm Pubbl/distr/stampa Boca Raton, FL:,: Taylor & Francis,, 2012 Descrizione fisica 1 online resource (315 pages) Disciplina 620.11 Soggetti Materials science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto The first book dedicated to the potential applications and unique properties of bacterial cellulose (BC), this seminal work covers the basic science, technology, and economic impact of this bulk chemical as well as the companies and patents that are driving the field. It reviews the biosynthesis and properties of BC, including genetics and characterization; discusses the advancing technology as it relates to product development, bioreactors, and production; and analyzes the economic impact of BC on a diverse range of industry applications,

and electromechanical engineering.

including materials and biomaterials, biological and polymer sciences,