1. Record Nr. UNINA9910829861803321 Autore Khan Anish Titolo Electrically conductive polymers and polymer composites: from synthesis to biomedical applications / / edited by Anish Khan [and three others] Weinheim, Germany:,: Wiley-VCH,, 2018 Pubbl/distr/stampa ©2018 **ISBN** 3-527-80792-6 3-527-80790-X 3-527-80791-8 Edizione [1st edition] Descrizione fisica 1 online resource (264 pages): illustrations (some color) 547.70457 Disciplina Soggetti Polymeric composites - Electric properties Conducting polymers Polymers - Electric properties Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Sommario/riassunto A comprehensive and up-to-date overview of the latest research trends in conductive polymers and polymer hybrids, summarizing recent achievements. The book begins by introducing conductive polymer materials and their classification, while subsequent chapters discuss the various syntheses, resulting properties and up-scaling as well as the important applications in biomedical and biotechnological fields, including biosensors and biodevices. The whole is rounded off by a

look at future technological advances. The result is a well-structured, essential reference for beginners as well as experienced researchers.