1. Record Nr. UNISA996205798503316

Titolo	Performance improvement quarterly
Pubbl/distr/stampa	Tallahassee, FL, : Learning Systems Institute, Florida State University in cooperation with the National Society for Performance & Instruction
ISSN	1937-8327
Descrizione fisica	1 online resource : illustrations
Disciplina	658.4/013/05
Soggetti	Performance technology Performance Organizational effectiveness Employees - Training of Educational technology Rendement au travail Efficacité organisationnelle Personnel - Formation Technologie éducative Productivité Periodicals. Périodique électronique (Descripteur de forme) Ressource Internet (Descripteur de forme)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr. UNINA9910349517503321

Titolo	Polymers for Agri-Food Applications / / edited by Tomy J. Gutiérrez
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-19416-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (622 pages) : illustrations
Disciplina	338.16 630.2
Soggetti	Food science Chemistry, Organic Agriculture Food Science Organic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Trends in polymers for agri-food applications: A note from the editor -- Polymer based micro- and nanoencapsulation of agrochemicals -- Nano and microencapsulated nutrients for enhanced efficiency fertilizer -- Potential use of polymeric particles for the regulation of plant growth -- Applications and implications of environmental-responsive polymers toward agrochemicals -- Starch nanoparticles and nanocrystals as bioactive molecule carriers -- Biopolymer-based hydrogels for agriculture applications: Swelling behavior and slow delivery of agrochemicals -- Hydrogels: An effective tool to improve nitrogen use efficiency in cops -- Classifications and uses of emulsion in food and agro applications -- Nanoemulsions: Industrial production and food-grade applications -- Biodegradable plastic mulch films for sustainable specialty crop production -- Performance of bio-based polymeric agricultural mulch films -- Agronomical overview of mulch filmsystems -- Mulch plastic systems: Recent advances and applications -- Biodegradable polymer nanofibers applied in slow release systems for agri-food applications -- Synthesis methods of starch-based polymer foams and its comparison with conventional

polymer foams for food packaging applications -- Coatings in the postharvest -- Trends in coatings manufacturing in the postharvest preservation of fruits and vegetables -- Development of edible coatings in the preservation of fruits and vegetables: A critical discussion and exhaustive -- Smart and active edible coatings based on biopolymers -- Active and smart edible coatings for fresh fruits and vegetables -- Active, eco-friendly and edible coatings in the post-harvest - A critical discussion -- Chitosan mono- and bilayer edible coatings for preserving postharvest quality of fresh fruit -- Shellac-based coating polymer for agricultural applications -- Application of bionanocomposites on horticultural products to increase the shelf life -- Essential oil nanoemulsions as antimicrobials and antioxidants in composite food packaging -- Nanocellulose-polymer composites: Novel materials for food packaging applications -- Index.

Sommario/riassunto

This book presents an exhaustive analysis of the trends in the development and use of natural and synthetic polymer systems aimed at sustainable agricultural production. The polymers have allowed the development of controlled and released systems of agrochemicals such as pesticides, fertilizers and phytohormones through micro and nanoencapsulated systems, which protect and stimulate the growth of crops at low costs and without damage to the environment. Hydrogel systems from natural and synthetic polymers have also had their place in the agricultural industry, since they allow to maintain the humidity conditions of the crops for their correct development in drought times. Mulch films made of polymers have also become important in the control of weeds and pests in crops, as well as the use of edible coatings applied to fruits and vegetables during post-harvest, which reduce the losses of these perishable foods. Currently, the systems indicated, as well as others, are already used on a large scale. However, research studies in this area have been limited compared to other polymer applications. This book collects useful information for researchers, students and technologies related to the polymer technology and agri-food production. In this book, world-renowned researchers have participated, including associate editors of important journals, as well as researchers working in the area of research and development (R&D) of leading agri-food industries in the manufacture of agricultural inputs.