1. Record Nr. UNINA9910583385603321

Titolo	Preharvest modulation of postharvest fruit and vegetable quality / / edited by Mohammed Wasim Siddiqui
Pubbl/distr/stampa	London, [England] : , : Academic Press, , 2018 ©2018
ISBN	0-12-809808-2 0-12-809807-4
Descrizione fisica	1 online resource (538 pages)
Disciplina	631.568
Soggetti	Food crops - Postharvest losses - Prevention
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.

2. Record Nr. UNINA9910136470503321

Titolo	Rogue and Shock Waves in Nonlinear Dispersive Media / / edited by Miguel Onorato, Stefania Resitori, Fabio Baronio
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-39214-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIII, 370 p. 152 illus., 132 illus. in color.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 926
Disciplina	551.463
Soggetti	Statistical physics Geophysics Lasers Photonics Fluids Applications of Nonlinear Dynamics and Chaos Theory Geophysics/Geodesy Optics, Lasers, Photonics, Optical Devices Fluid- and Aerodynamics Geophysics and Environmental Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Rogue and shock waves: an introduction -- Nonlinearity and dispersion in hydrodynamics and optical waves -- Breathers in nonlinear dispersive media -- Generation of breathers in the laboratory -- Statistical theory of rogue waves -- Mathematical methods for finding rogue waves solutions -- Dispersive shock waves: theoretical aspects -- Dispersive shock waves in optics and in the ocean.
Sommario/riassunto	This self-contained set of lectures addresses a gap in the literature by providing a systematic link between the theoretical foundations of the subject matter and cutting-edge applications in both geophysical fluid dynamics and nonlinear optics. Rogue and shock waves are phenomena that may occur in the propagation of waves in any nonlinear dispersive medium. Accordingly, they have been observed in disparate settings – as ocean waves, in nonlinear optics, in Bose-Einstein condensates, and

in plasmas. Rogue and dispersive shock waves are both characterized by the development of extremes: for the former, the wave amplitude becomes unusually large, while for the latter, gradients reach extreme values. Both aspects strongly influence the statistical properties of the wave propagation and are thus considered together here in terms of their underlying theoretical treatment. This book offers a self-contained graduate-level text intended as both an introduction and reference guide for a new generation of scientists working on rogue and shock wave phenomena across a broad range of fields in applied physics and geophysics.