

1. Record Nr.	UNISA996199135903316
Titolo	Plant tropisms [[electronic resource] /] / edited by Simon Gilroy, Patrick H. Masson
Pubbl/distr/stampa	Ames, Iowa, : Blackwell Pub., 2008
ISBN	1-281-45039-1 9786611450397 0-470-38829-3 0-470-38826-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (236 p.)
Altri autori (Persone)	GilroySimon MassonPatrick H
Disciplina	571.62 571.8 571.82
Soggetti	Tropisms Growth (Plants)
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	Mechanisms of gravity perception in higher plants / Aline H. Valster and Elison B. Blancaflor -- Signal transduction in gravitropism / Benjamin R. Harrison ... [et al.] -- Auxin transport and the integration of gravitropic growth / Gloria K. Muday and Abidur Rahman -- Phototropism and its relationship to gravitropism / Jack L. Mullen and John Z. Kiss -- Touch sensing and thigmotropism / Gabriele B. Monshausen, Sarah J. Swanson and Simon Gilroy -- Other tropisms and their relationship to gravitropism / Gladys I. Cassab -- Single-cell gravitropism and gravitaxis / Markus Braun and Ruth Hemmersbach -- Space-based research on plant tropisms / Melanie J. Correll and John Z. Kiss -- Plan(t)s for space exploration / Christopher S. Brown ... [et al.].
Sommario/riassunto	Tropisms, the defined vectorial stimuli, such as gravity, light, touch, humidity gradients, ions, oxygen, and temperature, which provide guidance for plant organ growth, is a rapidly growing and changing field. The last few years have witnessed a true renaissance in the analysis of tropisms. As such the conception of tropisms has changed

from being seen as a group of simple laboratory curiosities to their recognition as important tools/phenotypes with which to decipher basic cell biological processes that are essential to plant growth and development. Plant Tropisms will provide a compr
