

1. Record Nr.	UNINA9910298347203321
Titolo	Atlas of Plant Cell Structure // edited by Tetsuko Noguchi, Shigeyuki Kawano, Hirokazu Tsukaya, Sachihiko Matsunaga, Atsushi Sakai, Ichirou Karahara, Yasuko Hayashi
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2014
ISBN	4-431-54941-2
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (228 p.)
Disciplina	571.62
Soggetti	Plant anatomy Plant development Cell biology Developmental biology Microscopy Plant Anatomy/Development Cell Biology Developmental Biology Biological Microscopy Atlases.
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 at the end of each chapters.
Nota di contenuto	FM Preface -- 1 Nuclei and Chromosomes -- 2 Mitochondria -- 3 Chloroplasts -- 4 The Endoplasmic Reticulum, Golgi Apparatuses, and Endocytic Organelles -- 5 Vacuoles and Storage Organelles -- 6 Cytoskeletons -- 7 Cell Walls -- 8 Generative Cells -- 9 Meristems.
Sommario/riassunto	This atlas presents beautiful photographs and 3D-reconstruction images of cellular structures in plants, algae, fungi, and related organisms taken by a variety of microscopes and visualization techniques. Much of the knowledge described here has been gathered only in the past quarter of a century and represents the frontier of research. The book is divided into nine chapters: Nuclei and Chromosomes; Mitochondria; Chloroplasts; The Endoplasmic Reticulum, Golgi Apparatuses, and Endocytic Organelles; Vacuoles and

Storage Organelles; Cytoskeletons; Cell Walls; Generative Cells; and Meristems. Each chapter includes several illustrative photographs accompanied by a short text explaining the background and meaning of the image and the method by which it was obtained, with references. Readers can enjoy the visual tour within cells and will obtain new insights into plant cell structure. This atlas is recommended for plant scientists, students, their teachers, and anyone else who is curious about the extraordinary variety of living things.
