

1. Record Nr.	UNINA9910781650103321
Titolo	Pollen [[electronic resource]] : structure, types, and effects // Benjamin J. Kaiser, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61728-048-8
Descrizione fisica	1 online resource (384 p.)
Collana	Environmental science, engineering and technology
Altri autori (Persone)	Kaiser Benjamin J
Disciplina	571.8/452
Soggetti	Pollen Palynology
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	<p>""POLLEN: STRUCTURE, TYPES AND EFFECTS ""; ""POLLEN: STRUCTURE, TYPES AND EFFECTS ""; ""Contents""; ""Preface""; ""n Pollen Formation: 40 Cytological Mechanisms of Nuclear Meiotic Restitution""; ""Abstract""; ""Introduction""; ""1. Normal Cytoskeleton Dynamics during Pollen Mother Cells Meiotic Division""; ""1.1. Cytoskeleton Cycle during First Meiosis with Successive Cytokinesis in Monocotyledonous Species""; ""1.2. Cytoskeleton Cycle in Male Meiosis in Dicotyledonous Species with Simultaneous Cytokinesis""; ""1.3. Simultaneous and Successive Cytokinesis Compared""</p> <p>""2. Prophase Abnormalities as the Reason for Meiotic Restitution""</p> <p>2.1. Cytoskeleton Conservation in the Interphase Radial Configuration""; ""2.2. Fused Spindle. Approachment of Nuclei at Prophase II of Meiosis with Simultaneous Cytokinesis in Dicotyledonous Species""; ""2.3. Fused Spindle. Fusion of Cytoskeleton Perinuclear Rings at Prophase II""; ""2.4. Cortical Cytoskeleton Ring and Meiotic Restitution""; ""2.5. Autonomous Cytoskeleton Ring""; ""2.6. Chromosome Arrest in the Zygothene a€?a€?Bouquet a€? Configuration: Monopolar Chromosome Migration in a Bipolar Spindle""</p> <p>""3. Early Prometaphase Abnormalities Leading to Nuclear Restitution""</p> <p>""3.1. Cytoskeleton Conservation in the Perinuclear Ring Configuration""; ""3.2. Aberration in Straightening of Microtubules of Perinuclear Ring: C-Spindle""; ""3.3. Arrest of Cytoskeleton Invading the Former Nuclear Area""; ""4. Mid Prometaphase Abnormalities and</p>

Meiotic Restitution"; "4.1. Monopolar Spindle"; "4.2. Autonomous Spindle"; "4.3. Chromosomes Monopolar Migration in a Bipolar Spindle. a€œCometa€? Phenotype"

"4.4. Fused Spindle. Approachment and Fusion of Cytoskeleton Chaotic Figures at Mid-Prometaphase II in PMCs with Simultaneous Cytokinesis in Dicots""5. Abnormalities of Late Prometaphase as a Meiotic Restitution Mechanism"; "5.1. Chaotic Spindle"; "5.2. Spindle Disorientation at Metaphase II in the Meiosis with Simultaneous Cytokinesis in Dicots"; "6. Anaphase Abnormalities that Lead to Meiotic Restitution"; "6.1. Aberration of Anaphase Chromosome Movement"; "6.2. Spindle Shortening During Anaphase"; "7.

Cytoskeleton Abnormalities at Telophase and Meiotic Restitution""7.1. Arrest of Basic Telophase Processes""7.2. Complete Arrest of Cytokinetic Processes at Early Phragmoplast Stage"; "7.3. Arrest at Early Phragmoplast Stage with Element of Centrifugal Movement: Gamma-Phenotype"; "7.4. Consolidation of Laggard Chromosomes into the Restitution Nucleus"; "7.5. Arrest of Phragmoplast Development at the Stage of Hollow Cylinder"; "7.6. Excessive Curvature of Phragmoplast Fibers during Centrifugal Movement"; "7.7. Aberration of Phragmoplast Centrifugal Movement"

"7.8. Arrest of Radial Cytoskeleton System Formation at TII (in a€?a€? Parallel Spindlesa€?a€? Phenotype) in the Simultaneous Cytokinesis in the Dicot PMCs"
