

1. Record Nr.	UNINA9910896184403321
Autore	Haloi Anjali
Titolo	Essentials of Ultramicrotomy / / by Anjali Haloi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9747-91-0
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (246 pages)
Disciplina	570.28
Soggetti	Biology - Technique Cytology - Technique Materials - Microscopy Materials - Analysis Imaging systems Microscopy Biological Techniques Cytological Techniques Imaging Techniques Optical Microscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction -- Chapter 2: Light and Electron Microscope -- Chapter 3: Microtome Device and Microtomy -- Chapter 4: Ultramicrotome Device and Ultramicrotomy -- Chapter 5: Ultramicrotomy - Instrumentation and Techniques -- Chapter 6: Common problems in ultramicrotome and its remedies.
Sommario/riassunto	This book commences with an introduction to the fundamental principles of light and electron microscopy, laying the groundwork for readers to grasp the significance of ultramicrotomy within these fields. It addresses every aspect of ultramicrotomy, including its history, instrumentation, procedural intricacies, as well as guidelines for maintenance and troubleshooting. A number of images and illustrations have been included to depict every step of the ultramicrotomy procedure to facilitate deeper understanding of the subject. It also talks about different techniques that can be employed

for enhancing the quality and precision of the microscopy results. This book is a resource for researchers, faculty members, students, microtomists and microscopists working on sample preparation and analysis through transmission electron microscopy.

---