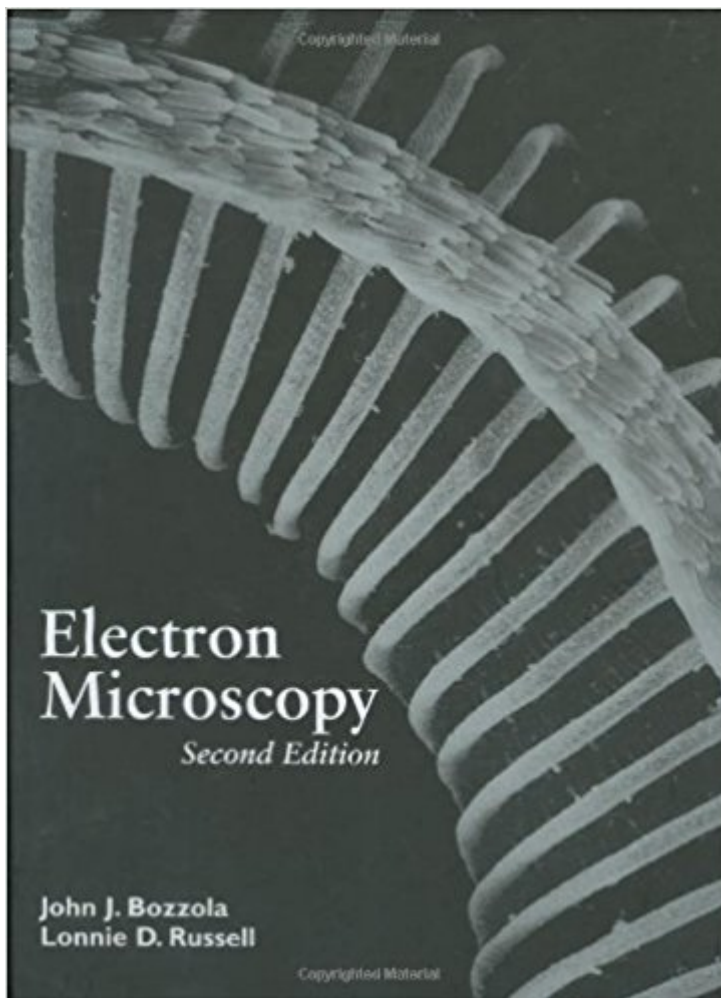




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# **Electron Microscopy, 2nd Edition**



## Synopsis

New edition of an introductory reference that covers all of the important aspects of electron microscopy from a biological perspective, including theory of scanning and transmission; specimen preparation; darkroom, digital imaging, and image analysis; laboratory safety; interpretation of images; and

## Book Information

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## Customer Reviews

This book is a good INTRO for undergrads who are interested in VERY GENERAL aspects of Electron Microscopy, but if you're starting your grad studies on the subject, or really want to learn the different techniques it is really not useful. If you're interested in biological techniques for electron microscopy, the best and most in-depth book available on the subject is M.A. Hayat's Principles and Techniques in Electron Microscopy, which is very detailed (the 2000 edition is unavailable, but you can buy the 1993 edition or read the newest one on google books). However, if your subject of interest are the physical principles of the electron microscope (and you are a biologist), although a bit old, SjÃfÃstrand's book Electron Microscopy of Cells and Tissues is a very good reference, as well as Wischnitzer's Introduction to Electron Microscopy and Meek's Practical Electron Microscopy for Biologists.

This book is very good for biologists who start to learn EM techniques. It covers all of the important

aspects of electron microscopy for biologists, including theory of scanning and transmission, specimen preparation, digital imaging and image analysis, laboratory safety and interpretation of images.

The best thing about the book is that it arrived just in time before classes started. It is a nice book, if you want to learn more than basics on analytical microscopes and how to apply it to biological specimens this is the right book for you!!!

This book is really excellent for beginners to learn electron microscopy because it offers a large and detailed overview on history and techniques used on transmission and scanning electron microscopy. On the other hand, experts will prefer a more detailed one.

Exactly what was needed.

Came on time and in good shape...haven't read much of it yet cuz it seems difficult but glad i got it.

The book is really brand new with fine pressing. I appreciate your sending very much!

I actually had the opportunity to receive instruction from Prof. Bozzola in both Transmission Electron Microscopy (TEM) and Scanning Electron Microscopy (SEM), and acquired the book for those reasons. It is not common to find even a textbook with such well-detailed instructions from beginning level to advanced for a myriad of topics in the field. Of course, there is a very significant focus on biological applications, so some portions of the book are not entirely relevant to materials science folks like myself. This book covers the basics of optics, sample preparation, imaging, photography and film developing, and specifics about both TEMs and SEMs. This book is a very good investment for anyone intending to perform work with such instruments.

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