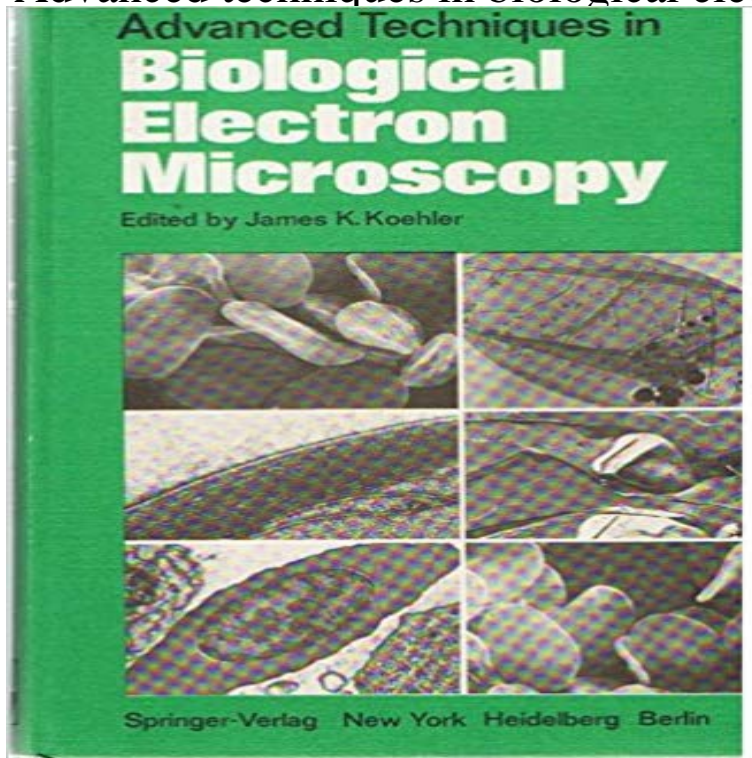


Advanced techniques in biological electron microscopy



The past decade has seen a remarkable increase in the use of electron microscopy as a research tool in biology and medicine. Thus, most institutions of higher learning now boast several electron optical laboratories having various levels of sophistication. Training in the routine use of electron optical equipment and interpretation of results is no longer restricted to a few prestigious centers. On the other hand, techniques utilized by research workers in the ultrastructural domain have become extremely diverse and complex. Although a large number of quite excellent volumes of electron microscopic technique are now dedicated to the basic elements available which allow the novice to acquire a reasonable introduction to the field, relatively few books have been devoted to a discussion of more advanced technical aspects of the art. It was with this view that the present volume was conceived as a handy reference for workers already having some background in the field, as an information source for those wishing to shift efforts into more promising techniques, or for use as an advanced course or seminar guide. Subject matter has been chosen particularly on the basis of pertinence to present research activities in biological electron microscopy and emphasis has been given those areas which seem destined to greatly expand in usefulness in the near future.

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