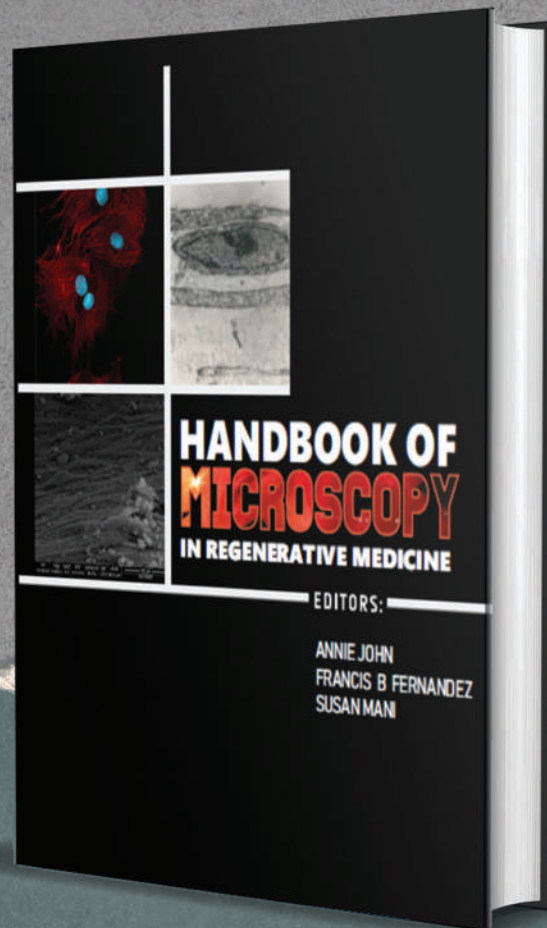


HAND BOOK OF **MICROSCOPY** IN REGENERATIVE MEDICINE



The Handbook is a compilation of light & electron micrographs sourced from years of work carried out by Dr. Annie John and team. The atlas provides a bird's eye view of imaging carried out on virii, cells, tissues & cell-material combination products. Evaluation via microscopy is an affirmative technique in the burgeoning field of translational medicine.

Copies are available at **Rs.5000/-**
for hard copy with full color illustrations.

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Handbook of Microscopy in Regenerative Medicine

The Handbook is a compilation of light & electron micrographs collected over years of work in microscopy based assessment carried out by Dr. Annie John & team. The atlas illustrates imaging and techniques behind imaging that allow for extracting valuable information in the assessment of biological samples, non – biological samples and combination products. Evaluation via microscopy will continue to lead as an affirmative technique in the field of translational medicine.

The Handbook provides an overview of assessment techniques and their logical application to elucidate material characteristics and response of biological tissues to material challenges. Information regarding various optical microscopy techniques and level of detail that is revealed is provided. Application oriented cases of material evaluation in – vitro and in – vivo are laid out in detail. The reader is guided through the application of various techniques and results in an illustrated format. Use of scanning electron microscopy and transmission electron microscopy is laid out in detail. Evaluation of cells, cell – material constructs, inorganic samples are captured in the TEM micrographs. SEM analysis of materials, material – tissue constructs and inorganic samples provide valuable insight into micrograph capture and analysis. The atlas of micrographs provided is a window into the work of biomedical scientists.

The Handbook will serve researchers at all levels in the biomedical / biomaterial community to understand the multifarious techniques at their disposal. The atlas provides a rich repository of images to understand processing as well as information analysis in an application oriented manner.

Dr. Annie John