
- Updated chapters on formulation of the protein before crystallization, characterization of the protein by dynamic light scattering, classic methods and the phase diagram, seeding, and cryoprotection of the crystals.
- Thirty full-color plates for evaluating crystallization drops.
- Separate section of laboratory exercises, ideal for crystallization courses.

“Why is crystallization important? At different times, different aspects of protein crystallography have assumed the role of bottleneck. Thus at one time the bottleneck consisted of the lack of a methodology for structure determination, even if a sufficient number of diffraction intensities were available for structure solution. With the advent of powerful methods for structure solution, the bottleneck shifted to the difficulty in obtaining crystals in sufficient number and of suitable quality to do the diffraction experiment. The present book is dedicated to the problem of describing current methods for protein crystalization and describing them as clear laboratory protocols.”

*Dr. Herbert A. Hauptman, Nobel Laureate in Chemistry*

“This is an essential handbook for anyone engaged in crystallization of macromolecules. It is exceptionally well organized and illustrated and has contributions from all the leaders in what continues to be a challenging and critically important field.”

*Dr. William L. Duax, American Crystallographic Association, Executive Officer*

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Terese Bergfors