

## **Editors:**

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## Dynamics of Biological Macromolecules by Neutron Scattering

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## About the ebook

The applicability of neutron scattering to expanding fields of biological studies is very extended. The book is focused on recent scientific results on biomolecular motions obtained by using neutron spectroscopy, and also discusses likely directions of future work on biological macromolecular systems while outlining some challenging, hitherto inaccessible problem areas.

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- SECTION I: Neutron Scattering as a Powerful Tool for Studying Biological Molecules and Processes
- Quasi-Elastic Neutron Scattering A Tool for the Study of Biological Molecules and Processes
- Elastic Incoherent Neutron Scattering: Biomolecular Motion Characterization by Self-Distribution-Function Procedure
- SECTION II: Dynamics of Biological Molecules
- Dynamics of Model Membranes
- Protein/Hydration Water Dynamics in Hard Confinement: Dielectric Relaxations and Picoseconds Hydrogen Fluctuations

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