

1. Record Nr.	UNINA990003293470403321
Autore	Resasco, Ferdinando
Titolo	RIVE DEL PLATA
Pubbl/distr/stampa	Milano : Fratelli Treves, 1890
Descrizione fisica	pp. 480
Disciplina	211.011
Locazione	DECGE
Collocazione	211.011.RES
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910728396303321
Autore	Saudagar Prakash
Titolo	Protein Folding Dynamics and Stability : Experimental and Computational Methods // edited by Prakash Saudagar, Timir Tripathi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9920-79-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (287 pages)
Altri autori (Persone)	TripathiTimir
Disciplina	572.633
Soggetti	Proteins Molecular biology Biology Proteins - Synthesis Protein Biochemistry Molecular Biology Biological Sciences Protein Synthesis and Translation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

Chapter 1. Applications of Circular Dichroism Spectroscopy in Studying Protein Folding, Stability, and Interaction -- Chapter 2. Fluorescence Spectroscopy-based Methods to Study Protein Folding Dynamics -- Chapter 3. Applications of Differential Scanning Calorimetry in Studying Folding and Stability of Proteins -- Chapter 4. Nuclear Magnetic Resonance Spectroscopy to Analyze Protein Folding and Dynamics -- Chapter 5. Molecular Dynamics Simulation Methods to Study Protein Structural Dynamics. Chapter 6. Molecular Dynamics Simulation to Study Protein Conformation and Ligand Interaction -- Chapter 7. Monte Carlo Approaches to Study Protein Conformation Ensembles. Chapter 8. Markov State Models of Molecular Simulations to Study Protein Folding and Dynamics -- Chapter 9. Enhanced Sampling and Free Energy Methods to Study Protein Folding and Dynamics -- Chapter 10. Investigating Protein Unfolding and Stability using Chaotropic Agents and Molecular Dynamics Simulation -- Chapter 11. pH-based Molecular Dynamics Simulation for Analyzing Protein Structure and Folding -- Chapter 12. Molecular Dynamics Simulation to Study Thermal Unfolding in Proteins -- Chapter 13. Principles, Methods, and Applications of Protein Folding Inside Cells. .

Sommario/riassunto

This book describes recent important advancements in protein folding dynamics and stability research, as well as explaining fundamentals and examining potential methodological approaches in protein science. In vitro, in silico, and in vivo method based research of how the stability and folding of proteins help regulate the cellular dynamics and impact cell function that are crucial in explaining various physiological and pathological processes. This book offers a comprehensive coverage on various techniques and related recent developments in the experimental and computational methods of protein folding, dynamics, and stability studies. The book is also structured in such a way as to summarize the latest developments in the field and key concepts to ensure that readers can understand advanced concepts as well as the fundamental big picture. And most of all, fresh insights are provided into the convergence of protein science and technology. Protein Folding Dynamics and Stability is an ideal guide to the field that will be of value for all levels of researchers and advanced graduate students with training in biochemical laboratory research.
