

1. Record Nr.	UNINA9910828832403321
Titolo	Protein structure // Lauren M. Haggerty, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2011
ISBN	1-61942-609-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (256 p.)
Collana	Protein science and engineering
Altri autori (Persone)	HaggertyLauren M
Disciplina	612/.01575
Soggetti	Proteins - Structure Proteins
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""PROTEIN STRUCTURE ""; ""PROTEIN STRUCTURE ""; ""Contents ""; ""Preface ""; ""Misfolded Species Involved Regions Which Are Involved in an Early Folding Nucleus""; ""Abstract ""; ""Introduction""; ""Results and Discussion ""; ""Intersection of Experimentally Determined Amyloidogenic Regions with the Predicted Folding Nuclei ""; ""A Description of Globular Proteins with Experimentally Determined Amyloidogenic Regions ""; ""Intersection of Predicted Amyloidogenic Regions and Protected From Hydrogen/Deuterium Exchange with Experimentally Outlined Folding Nuclei ""</p> <p>""Modeling of Folding of the Proteins with Swapped Domains """"Materials and Methods ""; ""Creation of the Database of Amyloidogenic Proteins ""; ""The Database of Proteins with Experimentally Outlined Folding Nucleus""; ""Prediction of Amyloidogenic Regions in Proteins""; ""Theoretical Search for Folding Nuclei ""; ""Calculation of I?-Values ""; ""Creation of a Database pf Swapped Proteins""; ""Predicting Protection of Amino Acid Residues From Hydrogen-Deuterium Exchange Using Amino Acid Sequence Only ""; ""Acknowledgments""; ""Funding ""; ""References ""</p> <p>""Enzyme Immobilization: A Breakthrough in Enzyme Technology and Boon to Enzyme Based Industries """"Abstract ""; ""Introduction ""; ""Enzyme Immobilization, Proficient Tool of Enzyme Technology""; ""Types of Enzyme Immobilization ""; ""A. Physical ""; ""1) Entrapment within Cross-Linked Polymers ""; ""2) Adsorption""; ""3) Microencapsulation ""; ""B. Chemical ""; ""1) Cross-Linking ""; ""2)</p>

Covalent Attachment"; "Effect of Enzyme Immobilization on its Kinetic Properties"; "Optimum pH"; "Optimum Temperature"; "Kinetic Parameters"; "Commercial Implications"

"1) Enzymatic Synthesis of Aspartame""2) Enzymic Production of L-Aspartic acid and L-Malic Acid"; "3) Production of 6-Amino Penicillanic Acid by Immobilized Penicillin Amidase"; "4)

Stereochemical Resolution of Racemic Amino Acids by Immobilized Aminoacylase: "; "5) Immobilized Glucose Isomerase in the Production

of High Fructose Corn Syrup"; "6) Enzymic Synthesis of Acrylamide"; "7) Immobilized Lactase in the Hydrolysis of Lactose in Milk";

"Biosensors"; "Immobilization by Cross-Linking of Enzymes among Themselves without Any Support"

"Structure-Based Development of Immobilization""Summary and Conclusion"; "Future Perspectives"; "References"; "Three

Approaches for Classifying Protein Tertiary Structures"; "Abstract"; "1. Introduction"; "2. Our Protein Classification Approaches"; "2.1.

Protein Voxel Based Descriptor"; "2.2. Protein Ray Based Descriptor"; "2.3. Supervised Growing Neural Gas (SGNG)"; "2.4. Support Vector

Machines (SVM)"; "2.5. Hidden Markov Model (HMM)"; "3. Experimental Results"; "Conclusion"; "References"

"Common Structural Characteristics of Fibrous and Globular Proteins"
