

CONTENTS

Preface		ix
Chapter I	Robert E. Feeney: Courage and Vision <i>Yin Yeh</i>	1
Chapter II	Measuring Antifreeze Acitivity <i>Hans Ramløv</i>	7
Chapter III	Gene Regulation of Antifreeze Proteins <i>Michael G. Tyshenko</i>	43
Chapter IV	Ice Nucleation and Antifreeze Proteins in Animals <i>Karl Erik Zachariassen, John G. Duman, Erlend Kristiansen, Sindre Pedersen and Natalia Li</i>	73
Chapter V	Structure and Functional Dynamics of Antifreeze Glycoproteins <i>V.V. Krishnan and Yin Yeh</i>	105
Chapter VI	Structure and Function of Antifreeze Proteins <i>Steffen P. Graether</i>	141
Chapter VII	Antifreeze Proteins: A Computational Perspective from the Past 10 Years <i>Jeffry D. Madura, Andrzej Wierzbicki, Jun Cui and Keith Battle</i>	191
Index		213