

List of contributors

Preface

Adaptation of biological membranes to temperature: biophysical perspectives and molecular mechanisms

Temperature adaptation: molecular aspects

Stenotherms and eurytherms: mechanisms establishing thermal optima and tolerance ranges

Ecological and evolutionary physiology of stress proteins and the stress response: the *Drosophila melanogaster* model

Temperature adaptation and genetic polymorphism in aquatic animals

Phenotypic plasticity and evolutionary adaptations of mitochondria to temperature

Temperature and ontogeny in ectotherms: muscle phenotype in fish

Ectotherm life-history responses to developmental temperature

Testing evolutionary hypotheses of acclimation

Experimental investigations of evolutionary adaptation to temperature

Thermal evolution of ectotherm body size: why get big in the cold?

Physiological correlates of daily torpor in hummingbirds

Development of thermoregulation in birds: physiology, interspecific variation and adaptation to climate

Evolution of endothermy in mammals, birds and their ancestors

The influence of climate change on the distribution and evolution of organisms

Index

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.