

Extreme Environmental Change and Evolution

Most natural populations intermittently experience extremely stressful conditions. This book discusses how such conditions can cause periods of intense selection, increasing both phenotypic and genetic variation, and allowing organisms with novel characteristics to be first generated and then established in the population. The authors argue that stressful conditions can have a major impact on the environment, backing up their arguments with evidence from the fossil record. They suggest further that, as a consequence, periods of stress must be taken into consideration when long term conservation strategies are planned, particularly as stressful conditions are becoming increasingly prevalent as a result of human activities. This broad overview will be of great interest to students and researchers in the field of evolutionary biology, genetics, ecology, palaeontology and conservation biology.

Most natural populations intermittently experience extremely stressful conditions. This book discusses how such conditions can cause periods of intense selection, increasing both phenotypic and genetic variation, and allowing organisms with novel characteristics to be first generated and then established in the population. The authors argue that stressful conditions can have a major impact on the environment, backing up their arguments with evidence from the fossil record. They suggest further that, as a consequence, periods of stress must be taken into consideration when long term conservation strategies are planned, particularly as stressful conditions are becoming increasingly prevalent as a result of human activities. This broad overview will be of great interest to students and researchers in the field of evolutionary biology, genetics, ecology, palaeontology and conservation biology.



Auf Anfrage

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780521446594
Medium: Buch
ISBN: 978-0-521-44659-4
Verlag: Cambridge University Press
Erscheinungstermin: 30.04.2010
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2010
Produktform: Kartoniert
Gewicht: 446 g
Seiten: 271
Format (B x H): 152 x 229 mm

