What is resilience in animal and aquaculture breeding? How does resilience differ from robustness, adaptation, tolerance, resistance or genotype by environment interactions in breeding applications? How does resilience of animals and of fish relate to productivity traits which have received most attention in breeding programs to date in all species?

This book explores concepts around resilience, and outlines current and proposed approaches to the genetic improvement of resilience. It draws together studies from multiple species to enhance the understanding of resilience and presents methods to overcome obstacles that may exist for the inclusion of resilience in breeding programs. Contributing authors from a range of countries highlight the relevance of resilience to the pig, sheep, poultry, oyster and fish industries. These contributions bring together recent research findings with messages for agricultural industries.

The volume provides information on genetic improvement of resilience that is relevant for breeders, consultants, research and development organisations, researchers and students from the livestock, aquaculture and other agricultural production industries.