

Biotechnology and Genetics in Fisheries and Aquaculture

A. R. Beaumont and K. Hoare

The recent development of molecular biology and genetic techniques, in particular those that are increasingly being used in practical situations in fish biology, fisheries and aquaculture, has led to a gap in the understanding by many of the science behind these techniques and their correct implementation for maximum results.

The authors of this important book, Andy Beaumont and Kate Hoare, have written a text of great clarity, which carefully explains the science and application of molecular and genetic techniques to fisheries and aquaculture situations and what these new technologies have to offer. Contents include a full explanation of genetic variation and its measurement, genetic structure in natural populations, genetics and artificial selection in the hatchery, ploidy manipulation and the use of genetic engineering in aquaculture.

Biotechnology and Genetics in Fisheries and Aquaculture is of great use to biological sciences students, particularly those studying marine, freshwater and aquatic biology, fish biology, fisheries, aquaculture, population biology and genetics. The book is also extremely useful as a reference to personnel such as fish farmers and fisheries scientists and all those working in fisheries and aquaculture management and research. Libraries in all universities and research establishments where biological sciences, fisheries and aquaculture are studied and taught should have copies of this book on their shelves.

A. R. Beaumont and **K. Hoare** are at the School of Ocean Sciences, Menai Bridge, University of Wales, Bangor, UK.

Also available from Blackwell Publishing

Practical Genetics for Aquaculture

C. Greg Lutz
0 8523 8285 5

Goldfish Varieties and Genetics

J. Smart
0 8523 8265 0

Genetics in Sustainable Fisheries Management

Edited by S. Mustafa
0 8523 8263 4

Aquaculture Research (Journal)

Published 15 times per year
ISSN: 1355-557X

To view Blackwell's full range of titles in the areas of fish biology, fisheries, aquaculture and aquatic sciences visit our web site: fishknowledge.com



**Blackwell
Publishing**

ISBN 0-632-05515-4



9 780632 055159

Blackwell Publishing Home Page
www.blackwellpublishing.com