

1. Record Nr.	UNINA9910583357603321
Titolo	Arthropod Vector controller of disease transmission Vector microbiome and innate immunity of arthropods . Volume 1 // edited by Stephen K Wikel, Serap Aksoy, George Dimopoulos
Pubbl/distr/stampa	London, England : , : Academic Press, , 2017 ©2017
ISBN	0-12-809237-8
Descrizione fisica	1 online resource (255 pages)
Disciplina	616.959
Soggetti	Animals as carriers of disease Animal ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

2. Record Nr.	UNINA9910141153603321
Titolo	Aquaculture and behavior [[electronic resource] /] / edited by Felicity Huntingford, Malcolm Jobling, Sunil Kadri
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, 2012
ISBN	1-283-40608-X 9786613406088 1-4443-5461-2 1-4443-5458-2
Descrizione fisica	1 online resource (360 p.)
Altri autori (Persone)	HuntingfordFelicity JoblingMalcolm KadriSunil
Disciplina	639.801/5915
Soggetti	Aquaculture Fishes - Behavior Shellfish - Behavior
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
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Nota di contenuto	Aquaculture and Behavior; Contents; Contributors; Preface; Foreword by V.O. Crampton; 1 Introduction: Aquaculture and Behaviour; 1.1 Why behaviour and aquaculture?; 1.2 About aquaculture; 1.2.1 What aquaculture is; 1.2.2 Why finfish are cultured; 1.2.3 Which finfish are cultured; 1.2.4 Kinds of culture systems; 1.3 Introducing the spotlight species; 1.3.1 Fish farmed for the table; 1.3.2 Fish farmed for supplementation programmes or conservation; 1.3.3 Fish farmed as ornamentals and for research; 1.4 About behaviour; 1.4.1 What behaviour is and why biologists are interested in it 1.4.2 Some basic behavioural biology1.4.3 How complex is fish behaviour?; 1.5 Fish welfare; 1.5.1 Definitions of welfare; 1.5.2 Identifying and measuring welfare; 1.5.3 Talking a common welfare language; 1.6 Domestication, captive rearing and behaviour; 1.6.1 Domestication and captive rearing; 1.6.2 Selective breeding; 1.6.3 Are cultured fish domesticated animals?; 1.6.4 Behavioural responses to domestication and selective breeding; 1.6.5 Captive rearing and fish

behaviour; 1.7 Criteria for effective and sustainable fish culture; 1.7.1 Production criteria; 1.7.2 Environmental criteria
1.7.3 Welfare criteria1.7.4 Behaviour and effective, sustainable aquaculture; 1.8 Structure and content of this book; 2 Fish in Aquaculture Environments; 2.1 Introduction; 2.1.1 Fish and their behaviour; 2.2 Locomotion and swimming ability; 2.2.1 Body form; 2.2.2 Swimming muscles; 2.3 Sensing environmental stimuli; 2.3.1 Sensory cues in the aquatic environment; 2.3.2 Vision; 2.3.3 Mechanosensory systems; 2.3.4 Thermoreception; 2.3.5 Electroreception; 2.3.6 Chemoreception; 2.4 Internal communication systems; 2.4.1 Role of the neural and endocrine systems; 2.4.2 The nervous system
2.4.3 The endocrine system2.4.4 Cross-talk between the nervous and endocrine system; 2.5 Coping with adverse conditions; 2.5.1 Unpredictable environments; 2.5.2 The stress response; 2.6 Contrasts in life history patterns and reproductive biology; 2.6.1 Reproductive options; 2.6.2 Rates of development; 2.6.3 Developmental contrasts in farmed species; 2.7 Life history programming; 2.7.1 Genotype-environmental interactions; 2.7.2 Maternal contributions; 2.7.3 Environmental factors and the development of motor systems in fish; 2.7.4 Long-term consequences of early developmental events
2.8 Synopsis3 Tools for Studying the Behaviour of Farmed Fish; 3.1 Introduction; 3.2 Describing and measuring behaviour; 3.3 What we need to know about the behaviour of farmed fish; 3.4 Indirect reconstruction of the behaviour of cultured fish; 3.4.1 Reconstructing fish diets; 3.4.2 Reconstructing interactions with predators and rivals; 3.4.3 Indirect assessment of stress; 3.5 Methods of marking and tagging fish; 3.5.1 External marks and tags; 3.5.2 Internal tags; 3.5.3 Internal tags that are visible externally; 3.6 Direct behavioural observation via video monitoring; 3.6.1 Video technology
3.6.2 Limitations

Sommario/riassunto

Modern aquaculture is faced with a number of challenges, including public concern about environmental impacts and the welfare of farmed fish. A fundamental understanding of fish biology is central to finding ways to meet these challenges and is also essential for maintaining the industry's sustainability. Furthermore, the behaviour of fish under culture situations has long been ignored despite heavy commercial losses that can result from fish stressed and hence disease-prone, due to bad husbandry techniques. This important book summarises the current understanding of the behavioural bi

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ISBN	1-119-82029-4 1-119-82030-8 1-119-82028-6
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Descrizione fisica	1 online resource (573 pages)
Disciplina	612.11
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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