A comprehensive and authoritative synthesis on the successful production of fish larvae

*Success Factors for Fish Larval Production* is a vital resource that includes the most current understanding of larval biology, in the context of larval production. The text covers topics such as how external (environmental and nutritional) and internal (molecular/developmental/physiological/behavioral/genetic) factors interact in defining the phenotype and quality of fish larvae and juveniles. The expert contributors review broodstock genetics and husbandry, water quality, larval nutrition and feeding, growth physiology, health, metamorphosis, underlying molecular mechanisms, including epigenetics, for development, larval behavior and environmental conditions. Compiled by members of a European Union-funded consortium of top researchers, *Success Factors for Fish Larval Production* provides a wide-range of authoritative information for the aquaculture industry and academia.

In addition to a wealth of information, the authors review research and commercially applicable larval quality indicators and predictors. The successful production of good-quality fish larvae is of vital importance for fish farming and stock enhancement of wild fisheries:

- Includes contributions from a consortium of noted researchers and experts in the field
- Deals with on how to improve egg quality and larval production via broodstock management and nutrition
- Suggests ways to control the phenotype of juveniles and table-size fish via manipulations of the conditions of larval rearing (e.g., epigenetics)
- Includes ideas for optimizing diet composition, formulation, and technology
• Integrates knowledge and practical experience in order to help advancing excellence in aquaculture

*Success Factors for Fish Larval Production* offers fish biologists, developmental biologists, physiologists and zoologists the most current and reliable information on the topic. All those working in fish aquaculture facilities and hatcheries in particular will find great interest to their commercial operations within this book.

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**ABOUT THE AUTHOR**

**LUÍS E.C. CONCEIÇÃO** is a founder of SPAROS, a start-up company that arose from the Centre of Marine Sciences of the University of the Algarve, Portugal. SPAROS is devoted to innovation in fish feeding and nutrition. Luis was Vice-Chair of LARVANET.

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