



# AQUACULTURAL ENGINEERING

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### DESCRIPTION

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Official journal of the [Aquacultural Engineering Society \(AES\)](#)

*Aquacultural Engineering* is concerned with the design and development of effective **aquacultural systems** for marine and freshwater facilities. The journal aims to apply the knowledge gained from basic research which potentially can be translated into commercial operations.

Problems of scale-up and application of research data involve many parameters, both physical and biological, making it difficult to anticipate the interaction between the unit processes and the cultured animals. *Aquacultural Engineering* aims to develop this **bioengineering interface** for aquaculture and welcomes contributions in the following areas:

- Engineering and design of aquaculture facilities
  - Engineering-based research studies
  - Construction experience and techniques
  - In-service experience, commissioning, operation
  - Materials selection and their uses
  - Quantification of biological data and constraints
- Style of presentation is flexible, but those papers dealing with specific problems should attempt to define them clearly in terms of **systems engineering**, quantifying the constraints, proposing solutions, implementing and detailing the design, and finally evaluating the outcome.

### AUDIENCE

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Marine and freshwater biologists, engineers, economists and all concerned with the operation of aquacultural facilities.

### IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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Agricultural Engineering Abstracts  
Aquatic Sciences and Fisheries Abstracts  
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3. Short communications

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DOE, 1994. Handbook of Methods for the Analysis of the Various Parameters of the Carbon Dioxide System in Sea Water, Version 2, Dickson, A.G. and Goyet, C. (Eds.), ORNL/CDIAC-74, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tennessee. 1 Nov. 2009 <<http://cdiac.ornl.gov/oceans/handbook.html>>.

IPCC, 2007. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Solomon, S., Qin, D., Manning, M., Chen, Z., Marquis, M., Averyt, K.B., Tignor, M., Miller, H.L. (Eds.) Cambridge University Press, Cambridge, UK, 15 Nov. 2009 <[http://www.ipcc.ch/publications\\_and\\_data/publications\\_ipcc\\_fourth\\_assessment\\_report\\_wg1\\_report\\_the\\_physical\\_science\\_basis.htm](http://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_wg1_report_the_physical_science_basis.htm)>.

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