

# SEAFDEC

## INFORMATION CATALOGUE



SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER

SEC/CIR/20

JANUARY 2015



# About SEAFDEC

The Southeast Asian Fisheries Development Center (SEAFDEC) is an intergovernmental organization established in December 1967 to promote sustainable fisheries development in the Southeast Asian region through research, training and information services.

SEAFDEC comprises the Secretariat as its administrative arm, and five technical departments, namely: the Training Department (TD), the Marine Fisheries Research Department (MFRD), the Aquaculture Department (AQD), the Marine Fishery Resources Development and Management Department (MFRDMD), and the Inland Fishery Resources Development and Management Department (IFRDMD).

## Membership

The Member Countries of SEAFDEC are Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam.

## SEAFDEC Mandate

SEAFDEC was mandated to “develop and manage the fisheries potential of the region by rational utilization of the resources for providing food security and safety to the people and alleviating poverty through transfer of new technologies, research and information dissemination activities”.

In achieving its mandate, SEAFDEC has been implementing programs and activities with the strategic objectives as follows:

1. To promote rational and sustainable use of fisheries resources in the region;
2. To enhance the capability of fisheries sector to address emerging international issues and for greater access to international trade;
3. To alleviate poverty among the fisheries communities in Southeast Asia; and
4. To enhance the contribution of fisheries to food security and livelihood in the region.

# SEAFDEC

## Information Services

Since its establishment, SEAFDEC has published several technical and promotional materials, and provided information services for its Member/ Non-member Countries and interested users. This Information Catalogue contains the recent publications and other information materials published by SEAFDEC Secretariat and Departments, in order to support the implementation of activities and initiatives of SEAFDEC toward sustainable fisheries development both within and outside the region, and enhance the public accessibility to SEAFDEC materials.

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# How to obtain?

This **Information Catalogue** could be used as a brief guide to search for publications/materials of your interest. However, more detailed information could be directly obtained from the respective SEAFDEC Departments.

Most of the materials are available in SEAFDEC website. For materials that are not available online, please contact the SEAFDEC Departments at the following addresses:

## **SEAFDEC Secretariat**

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Philippine Social Science Center  
(PSSC)  
Commonwealth Avenue, Diliman  
Quezon City 1101 Philippines  
Tel & Fax: +63-2 927 7825  
E-mail: [bookstore@seafdec.org.ph](mailto:bookstore@seafdec.org.ph)  
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## **SEAFDEC Training Department (TD)**

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Fax: +609 617 5136; 617 4042  
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## **SEAFDEC Marine Fisheries Research Department (MFRD)**

2 Perahu Road, off Lim Chu Kang Road  
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Fax: +65 6861 3196  
E-mail: [ava\\_mfrd@ava.gov.sg](mailto:ava_mfrd@ava.gov.sg)  
<http://www.seafdec.org/mfrd>

## **SEAFDEC Inland Fishery Resources Development and Management Department (IFRDMD)**

Jl. Gub. HA. Bastari No.08  
Rt.29 Rw.07 Kel. Silaberanti Kec.  
Seberang Ulu I - Jakabaring -  
Palembang 30252, South Sumatra,  
Indonesia  
<http://www.seafdec.org/ifrdmd>

## **SEAFDEC Aquaculture Department (AQD)**

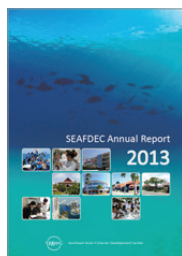
*Main Office:* Tigbauan,  
5021 Iloilo, Philippines  
Tel: +63-33 511 9170; 511 9171  
Fax: +63-33 511 8709

# Annual Reports/Highlights

## SEAFDEC Annual Report

The Report publishes activities and major achievements of SEAFDEC during the year, as well as tentative plan of activities for the following years.

By SEAFDEC Secretariat



## SEAFDEC/MFRD Annual Highlights

Publication on the major activities and achievements of MFRD during the year

By SEAFDEC/MFRD



## SEAFDEC/AQD Highlights

Publication on AQD's accomplishments during the year

By SEAFDEC/AQD



## SEAFDEC/MFRDMD Highlights

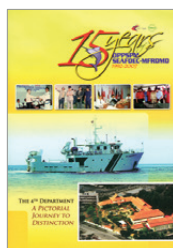
Publication on MFRDMD's accomplishments during the year

By SEAFDEC/MFRDMD

## 15 Years DPPSPM/SEAFDEC-MFRDMD 1992-2007

A pictorial journal that publicizes MFRDMD's activities and achievement milestones since its establishment in 1992

By SEAFDEC/MFRDMD



# Reports of Annual Meetings

- **Report of the Forty-fifth Meeting of the Council of SEAFDEC** (1-5 April 2013, Cebu City, Philippines)
  - **Report of the Forty-sixth Meeting of the Council of SEAFDEC** (1-4 April 2014, Singapore)
  - **Report of the Thirty-fifth Meeting of the Program Committee of SEAFDEC** (26-28 November 2012, Chiang Mai, Thailand)
  - **Report of the Thirty-sixth Meeting of the Program Committee of SEAFDEC** (25-27 November 2013, Penang, Malaysia)
  - **Report of the Fifteenth Meeting of the ASEAN-SEAFDEC Fisheries Consultative Group (FCG) of the ASEAN-SEAFDEC Strategic Partnership (ASSP)** (29-30 November 2012, Chiang Mai, Thailand)
  - **Report of the Sixteenth Meeting of the ASEAN-SEAFDEC Fisheries Consultative Group (FCG) of the ASEAN-SEAFDEC Strategic Partnership (ASSP)** (28-29 November 2013, Penang, Malaysia)
  - **Report of the Special Council Meeting of SEAFDEC** (3-4 October 2013, Bangkok, Thailand)
- (All by SEAFDEC Secretariat)

# Newsletters/Magazines

## SEAFDEC Newsletter

Newsletter published quarterly to promote activities and achievements of SEAFDEC Secretariat and Departments  
By SEAFDEC Secretariat



## AQD Matters

Monthly newsletter carrying news and updates of AQD's activities  
By SEAFDEC/AQD



## SEAFDEC Advance Fisheries Technology

Newsletter published three times a year the innovative fisheries technologies that could be applicable and useful for the Southeast Asian countries  
By SEAFDEC/ITD



## Special Publication “Fish for the People”

“Fish for the People” is published three times a year to promote initiatives and activities in line with the issues identified in the “Resolution” and “Plan of Action” adopted at the “ASEAN-SEAFDEC Conference” held in November 2001, as well as the sequel Conference held in June 2011.

By SEAFDEC Secretariat



Volume 11 Number 3



Volume 12 Number 1



Volume 12 Number 2

## Policy Frameworks and Regional Guidelines

### Outputs from the ASEAN-SEAFDEC Conference

The set of outputs from the ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020 “Fish for the People 2020: Adaptation to a Changing Environment” organized on 13-17 June 2011:

- **Proceedings of the ASEAN-SEAFDEC Conference, Volume I: The Conference Proceedings**
- **Proceedings of the ASEAN-SEAFDEC Conference, Volume II: Thematic Panel Sessions**



- **Resolution and Plan of Action on Sustainable Fisheries for Food Security for the ASEAN Region Towards 2020**

The Resolution and Plan of Action endorsed by the ASEAN-SEAFDEC Ministers and Senior Officials are envisaged to serve as policy framework and priority actions to support sustainable development of fisheries and enhancing the contribution from fisheries to food security and better livelihood of people in the region towards the coming decade.





## Regional Guidelines

The set of Regional Guidelines for Responsible Fisheries in Southeast Asia:

- **Regional Guidelines for Responsible Fishing Operations in Southeast Asia**  
By SEAFDEC / TD
- **Regional Guidelines for Responsible Aquaculture in Southeast Asia**  
By SEAFDEC / AQD
- **Regional Guidelines for Responsible Fisheries Management in Southeast Asia**  
By SEAFDEC / MFRDMD and TD
- **Regional Guidelines for Responsible Post-harvest Practices and Trade in Southeast Asia**  
By SEAFDEC / MFRD and Secretariat

The set of 4 Regional Guidelines was developed through a series of regional consultations to elaborate issues contained in the globally adopted Code of Conduct for Responsible Fisheries to support the implementation by the Southeast Asian countries.



### Supplementary Guidelines on Co-Management Using Group User Rights, Fishery Statistics, Indicators and Fisheries Refugia

This 84-page Supplementary Guidelines further elaborates issues contained in the *Regional Guidelines for Responsible Fisheries Management*, i.e. Co-Management Using Group User Rights, Fishery Statistics, Indicators and Fisheries Refugia. The Guidelines is envisaged to assist the Southeast Asian countries in developing the most practical national system to improve their respective fisheries management towards responsible and sustainable fisheries.

By SEAFDEC Secretariat



**Regional Guidelines for the Promotion of “One Village, One Fisheries Product” (FOVOP) in the ASEAN Region**

This 31-page Guidelines is envisaged to provide better understanding for government agencies on the promotion of “One Village, One Fisheries Product” or FOVOP, as well as in the formulation of relevant policies to support the implementation of FOVOP and improve the livelihoods of fishers in the fishing communities.

By *SEAFDEC Secretariat*

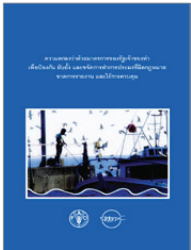


**Other**

**Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing (in Thai)**

A Translation of FAO Publication “Agreement on Port State Measures to Prevent, Deter and Eliminate Illegal, Unreported and Unregulated Fishing”.

By *SEAFDEC Secretariat*



**Fishery Statistics and Information**

**Fishery Statistical Bulletin of Southeast Asia**

Annual compilation of fishery statistics (fishery production, marine fisheries, inland fisheries, aquaculture, price of fresh fish, and fishers) from Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. The Fishery Statistical Bulletin of Southeast Asia has been published for fishery statistics of 2008 onwards, while the statistics from 1978 to 2007 were compiled and published as “Fishery Statistical Bulletin for the South China Sea Area”.

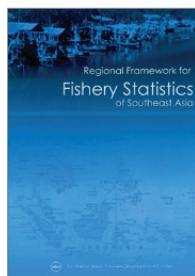
By *SEAFDEC Secretariat*



### Regional Framework for Fishery Statistics of Southeast Asia

The regional framework was developed through consultation process between SEAFDEC and the Southeast Asian countries as harmonized framework for compilation of regional fishery statistics from 2008 onwards. The framework also serves as a minimum requirement for countries in collection of fishery statistics to support policy, planning and management of fisheries.

*By SEAFDEC Secretariat*



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### Note of Completion for the Fishery Statistical Bulletin of Southeast Asia

The 47-page publication provides necessary instruction to enable fishery statisticians of the Southeast Asian countries to complete the questionnaire for submission of their respective national fishery statistics to SEAFDEC for further compilation in the Fishery Statistical Bulletin of Southeast Asia.

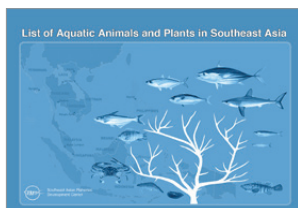
*By SEAFDEC Secretariat*

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### List of Aquatic Animals and Plants in Southeast Asia

The 86-page publication aimed at facilitating the collection and submission of fishery statistics by species from the countries for compilation into the regional fishery statistics bulletin.

*By SEAFDEC Secretariat*



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### The Southeast Asian State of Fisheries and Aquaculture 2012

This publication provides information on the status and trends of fisheries and aquaculture of the region based on statistics and information available in the region. In addition, also included in the publication are selected fisheries-related issues/challenges and the outlook of fisheries and aquaculture, in order to raise awareness/preparedness and enhance the capacity of countries in the region in response to the issues.

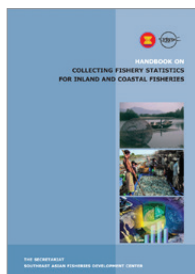
*By SEAFDEC Secretariat*



## Handbook on Collecting Fishery Statistics for Inland and Coastal Fisheries

The 165-page document provides building blocks for setting up of statistical data collection system by providing elements for basic statistical training, sample survey design, and selection of methodologies to obtain the required statistics.

By *SEAFDEC Secretariat*



## Improvement of Fishery Data and Information Collection Systems in Southeast Asia: the Proceedings of the FAO/SEAFDEC Regional Workshop on the Improvement of Fishery Data and Information Collection Systems

(Bali, Indonesia, 15-18 February 2005)

- Volume 1: Report of the Workshop (38 pages)
- Volume 2: Regional Synthesis and Country Papers (174 pages)

By *SEAFDEC Secretariat*



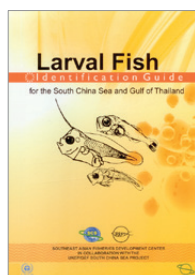
## Fishery Resources

### Fish Larvae Identification Guide

#### Larval Fish Identification Guide for the South China Sea and Gulf of Thailand

The 21-page identification guide was prepared for a regional training workshop on Larval Fish Identification and Fish Early Life History Science (16-31 May 2007). The step-by-step laboratory procedure in sorting and identification of fish larvae is described.

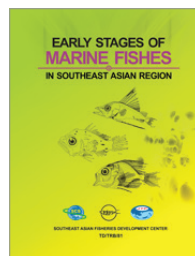
By *SEAFDEC / TD*



#### Early Stages of Marine Fishes in Southeast Asian Region

The monograph was published as the output of the Regional Training Workshop on Larval Fish Identification and Fish Early Life History Science in 2007 and 2008. The monograph describes the body parts of the larvae, counted fin rays and myomeres, and illustration of larvae.

By *SEAFDEC / TD*



## Laboratory Guide for Some Families of Fish Larvae from the South China Sea

The 44-page publication was prepared based on the selected families of fish larvae collected during the oceanographic surveys in the South China Sea. Although this guide is not the final work on the taxonomy of fish larvae as there are many more species that remain to be documented, it is envisaged that the book is a starting point to carry out more works of similar nature in the future.

By SEAFDEC/MFRDMD

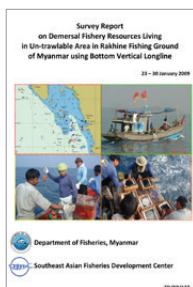


## Demersal Fishery Resources

### Report of the Survey on Demersal Fishery Resources Living in Un-trawlable Area in Rakhine Fishing Ground of Myanmar using Bottom Vertical Longline (23-30 January 2009, Myanmar)

Fishery resources survey was conducted in Rakhine fishing ground of Myanmar to evaluate the potential economically important species in the un-trawlable areas. The area is characterized by a narrow continental shelf with the rocky area which is not suitable for trawling, but there is still a possibility for the use of other fishing gears, such as bottom vertical longline.

By SEAFDEC/TD



## Pelagic Fishery Resources

(All by SEAFDEC/MFRDMD)

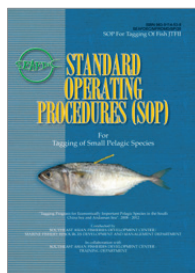
- **Report of the First Regional Technical Consultation Meeting on Information Collection for Sustainable Pelagic Fisheries in the South China Sea** (5-8 September 2002, Bangkok, Thailand)
- **Report of the Second Regional Technical Consultation Meeting on Information Collection for Sustainable Pelagic Fisheries in the South China Sea** (15-17 October 2003, Ho Chi Minh City, Vietnam)
- **Report of the Third Regional Technical Consultation Meeting on Information Collection for Sustainable Pelagic Fisheries in the South China Sea** (22-24 November 2004, Kuala Lumpur, Malaysia)



## Standard Operating Procedure for Tagging of Small Pelagic Species

This SOP serves as a guideline and main reference for those involved in tagging of small pelagic fishes at tagging sites. The main objectives of this SOP are to standardized sampling procedure and ensure that the same methods and procedures are applied to enhance survival of tagged fish during and after tagging operation.

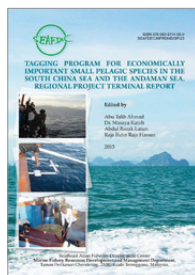
Bv SEAFDEC/MFRDMD



## Tagging Program for Economically Important Small Pelagic Species in the South China Sea and the Andaman Sea: Regional Project Terminal Report

The report was prepared under the tagging project implement in 2007-2012 to inform Member Countries of the status of pelagic fisheries in Southeast Asian waters as well as revealing the population structure of the selected species.

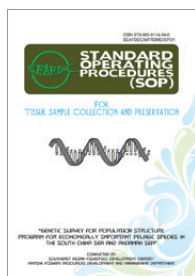
Bv SEAFDEC / MFRDMD



## Standard Operating Procedure for Tissue Sample Collection and Preservation

A 21-page guideline serves as main reference for tissue sample collection at sampling sites and tissue preservation under the survey for population structure program for economically important pelagic species in the South China Sea and Andaman Sea.

By SEAFDEC / MFRDMD



## Deep-sea Fishery Resources

(All by SEAFDEC/TD)

- Report of the Regional Workshop on the Standard Operation Procedure and Development/Improvement of Sampling Gears for the Deep-sea Resource Exploration (26-28 May 2009, Thailand)
- Report of the Regional Training/Workshop on Identification of Deep-sea Fishes (Part I) (18-22 January 2010, Thailand)
- Report of the Regional Training/Workshop on Identification of Deep-sea Fishes (Part II) (18-22 January 2010, Thailand)
- Report of the Expert Meeting on Deep-sea Fishing and Its Impact to Ecosystem (31 August - 2 September 2010, Thailand)

- **Report of the Training Workshop on Research Methodologies for the Study on Impact of Fishing to Deep-sea Ecosystem** (16-20 October 2010, Negara, Brunei Darussalam)
- **Report of Training Workshop on Identification of Deep-sea Benthic Macroinvertebrate Vulnerable to Fishing Gear** (11-15 July 2011, Thailand)
- **Report of the On-site Training on Identification of Deep-sea Fishes (Part I)** (18-21 July 2011, Malaysia)
- **Report of the On-site Training on Identification of Deep-sea Fishes (Part II)** (18-21 July 2011, Malaysia)
- **Deep-sea tuna handline fishing in General Santos City, Philippines**

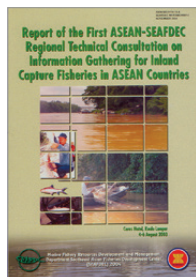
## Inland Fishery Resources

### **Report of the First ASEAN-SEAFDEC Regional Technical Consultation on Information Gathering for Inland Capture Fisheries in ASEAN Countries**

(4-6 August 2003, Kuala Lumpur, Malaysia)

The 183-page report summarizes the outputs from the consultation: the current status of information on inland capture fisheries in the ASEAN countries; the strategies to strengthen future collection and compilation of information to support planning and management of inland fishery resources; and the project activities to be implemented both at national and regional levels.

By *SEAFDEC/MFRDMD*

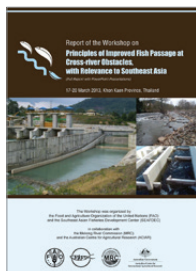


### **Report of the Workshop on Principles of Improved Fish Passage at Cross-river Obstacles, with Relevance to Southeast Asia**

(17-20 March 2013, Khon Kaen Province, Thailand)

The report summarizes the outputs from the workshop, which include country reports on fish passages in their respective countries, and considerations for enhancing the effectiveness of fish passages in the region.

By *SEAFDEC/Secretariat*



## Tunas

### **Report of the National Training on Improvement of Data Collection for Tuna Gillnet and Purse Seine Fisheries in Vietnam**

(27-29 February 2012, Binh Dinh, Vietnam)

The report includes the overview of tuna fisheries in Vietnam and Southeast Asian region, the overview of data collection activities for longline, gillnet and purse seine in Vietnam, trends and data provision obligations of Member Countries and also the guideline on protocol for sampling of tuna landings by gillnetters and purse seiners.

By *SEAFDEC/TD*





## Report of the Special Meeting on Improvement of Tuna Information and Data Collection in Southeast Asia

(7-9 September 2011, Songkhla Province, Thailand)

The report summarizes discussion and recommendations from the Meeting that are envisaged to serve as a basis for the Southeast Asian countries and SEAFDEC in improving data and information collection in order to obtain better understanding on tunas in the future.

By SEAFDEC/TD

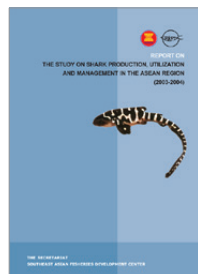


## Sharks and Rays

### Report on the Study on Shark Production, Utilization and Management in the ASEAN Region 2003-2004

The publication summarizes the outputs from the one-year study on shark catch, local use and trade; progress of the development of NPOAs-Sharks in the region; trade in shark products in Malaysia, Singapore and Thailand; and microscopic observation on dermal denticles of shark fins.

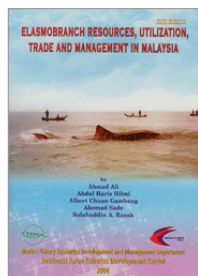
By SEAFDEC Secretariat



## Elasmobranch Resources, Utilization, Trade and Management in Malaysia

This 46-page book contains outputs from the study on elasmobranch resources, utilization, trade and management, undertaken by SEAFDEC/MFRDMD in Malaysia from July 2003 to August 2004.

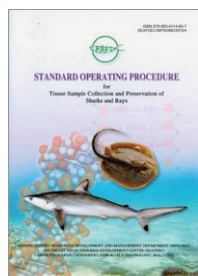
By SEAFDEC/MFRDMD



## Standard Operating Procedure for Tissue Sampling Collection and Preservation of Sharks and Rays

The publication describes procedures for collection and preservation of tissue samples from shark and ray specimens for genetic identification.

By SEAFDEC/MFRDMD

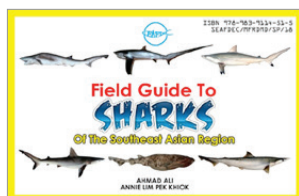




### Field Guide to Sharks of the Southeast Asian Region

A 210-page field guide aims to facilitate the identification and classification of 69 shark species that are commonly caught in the Southeast Asian Region.

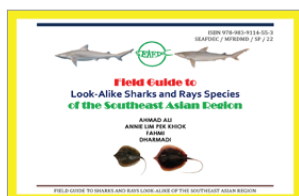
By SEAFDEC / MFRDMD



### Field Guide to Look-Alike Sharks and Rays Species of the Southeast Asian Region

A 107-page field guide provides a simple user-friendly brief description on similarities and distinctive characteristics of 15 pairs of sharks, 20 pairs of rays and two pairs of skates look-alike species.

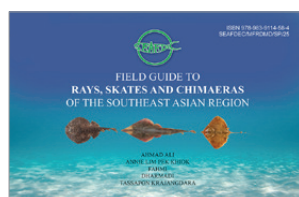
By SEAFDEC / MFRDMD



### Field Guide to Rays, Skates and Chimaeras of the Southeast Asian Region

A 289-page publication provides a field guide of 97 species of rays (14 families) and one species of chimaera. Most of them are found in abundance in the Southeast Asian region.

By SEAFDEC / MFRDMD



### Other reports on sharks and Rays

(All by SEAFDEC / TD)

- **Report of the Special Meeting on Shark Information Collection in Southeast Asia** (15-17 September 2011, Bangkok, Thailand)  
The report summarizes discussion and recommendations from the Meeting, which are envisaged to serve as a basis for the Southeast Asian countries and SEAFDEC in improving data and information collection in order to obtain better understanding on sharks and rays in the future.
- **Report of the Regional Workshop on Data Collection Methodology for the Assessment of Shark Stock Status** (23-25 September 2013, Bangkok, Thailand)
- **Summary Report of Regional Technical Working Group Meeting on Data Collection for Sharks in Southeast Asian Region** (22-24 April 2014, Phuket, Thailand)

## Cetaceans

### Report of the 1<sup>st</sup> Regional Workshop on Information Gathering and Cetacean Research in the Southeast Asian Waters

(30-31 July 2009, Samut Prakan, Thailand)

The report summarizes discussion made during the 1<sup>st</sup> Regional Workshop on Information Gathering and Cetacean Research in the Southeast Asian Waters.

By SEAFDEC/TD

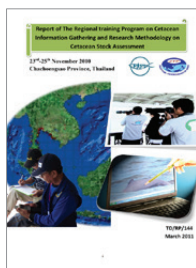


### Report of the Regional Training Program on Cetacean Information Gathering and Research Methodology on Cetacean Stock Assessment

(23-25 November 2010, Chachoengsao Province, Thailand)

The training focused on information gathering of the riverine/coastal cetaceans and Irrawaddy Dolphins. Important output of this training is the Handbook on Photo Identification Techniques for Irrawaddy Dolphin, based on the practical sighting activity.

By SEAFDEC/TD



### Report of the Meeting on Cetacean Research in Southeast Asian Water: Cetacean Sighting Program

(27-29 March 2012, Bangkok, Thailand)

The report compiles major achievements of the program implementation from 2008-2011, cetacean research and monitoring in Thailand, the current study on cetaceans by Member Countries, the related cetacean research and development activities and other relevant studies.

By SEAFDEC/TD

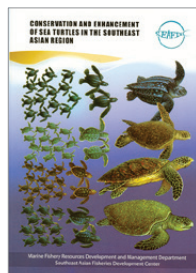


## Sea Turtles

### Conservation and Enhancement of Sea Turtles in the Southeast Asian Region

The publication describes measures undertaken by countries in the Southeast Asian region to conserve and enhance sea turtles resources. These include laws and enforcement, establishment of sea turtle sanctuaries and hatcheries, tagging and satellite tracking, education and public awareness programs, as well as various fields of research activities.

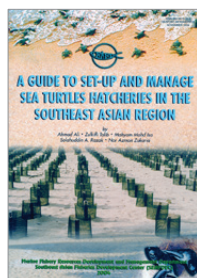
By SEAFDEC/MFRDMD



### **A Guide to Set-up and Manage Sea Turtles Hatcheries in the Southeast Asian Region**

The book publishes knowledge and experiences gained through the studies on sea turtle hatcheries, particularly those conducted in Malaysia, and information accumulated from researchers both within and outside the region on the set-up and management of sea turtle hatcheries.

By SEAFDEC/MFRDMD



### **A Guide for Tagging of Sea Turtles in the Southeast Asian Region**

The guide aims to assist sea turtle workers in the Southeast Asian region to standardize their turtle tagging activities. Researchers, managers and field staff will find the book a useful reference for tagging and data collection, as the process is clearly written and step-by-step photos are used to illustrate each activity.

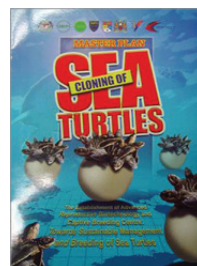
By SEAFDEC/MFRDMD



### **Master Plan on Cloning of Sea Turtles**

The book describes the establishment of advanced reproductive biotechnology and captive breeding center for the sustainable management and breeding of sea turtles.

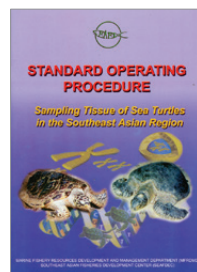
By SEAFDEC/MFRDMD



### **Standard Operating Procedure on Sampling Tissues of Sea Turtles in the Southeast Asian Region**

The 12-page book describes the method of sampling the tissue of Green Turtles (*Chelonia mydas*) and Hawksbill Turtles (*Eretmochelys imbricata*) during their nesting activities in selected sampling sites in the Southeast Asian countries.

By SEAFDEC/MFRDMD



## Report of the Regional Core Expert Group Meeting on Research for Stock Enhancement of Sea Turtles

(20-21 October 2009, Kuala Terengganu, Malaysia)

The report summarizes outputs from the Regional Core Expert Group Meeting on Research for Stock Enhancement of Sea Turtles, organized with objectives to gather information and results from sea turtle stock enhancement and tagging studies conducted from 2004 to 2009.

By SEAFDEC/MFRDMD



## Report of the Regional Planning Workshop on Research and Management on Foraging Habitat of Sea Turtles in the Southeast Asian Waters

(10-11 March 2010, Malacca, Malaysia)

The workshop discussed the activities to be implemented by SEAFDEC/MFRDMD in collaboration with TD under the project on "Research and Management of Sea Turtles in Foraging Habitats in the Southeast Asian Waters" from 2010-2014.

By SEAFDEC/MFRDMD



## Report of Regional Workshop on Management of Sea Turtles Foraging Habitats in Southeast Asian Water

(1-3 November 2011, Sarawak, Malaysia)

The report shares the scientific information, discussion for preparing the Standard Operating Procedure (S.O.P) and discussion on preparing the management plan on conserving sea turtle foraging habitats.

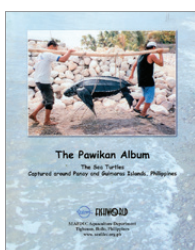
By SEAFDEC/MFRDMD



## The Pawikan Album: The Sea Turtles Captured around Panay and Guimaras Island, Philippines

The 83-page publication is a record of 93 sea turtles captured from around SEAFDEC/AQD. The publication could serve as a useful reference for turtle biologists, marine scientists, conservationists, and resource managers, as well as general public, as it contains information on the interaction of sea turtle with fishing gears and people and how FishWorld of AQD worked with fishers and government to save and conserve sea turtles.

By SEAFDEC/AQD



## Economically Important Species as Surimi Raw Materials

### Report of the End-of-Project Meeting of the Working Party on Information Collection for Economically Important Species as Surimi Raw Materials in the Southeast Asian Region

(1-2 July 2009, Samut Prakan, Thailand)

The report summarizes discussion made during the End-of-Project Meeting of the Working Party on Information Collection of Economically Important Species as Surimi Raw Materials in the Southeast Asian Region.

By SEAFDEC/TD



### Brochure: Surimi Information

One set of publications comprises information on: surimi industry in the Southeast Asian countries; status of fishing grounds for surimi raw materials in Southeast Asian countries; and surimi raw materials species found from the M.V. SEAFDEC 2 survey during 2004-2008.

By SEAFDEC/TD



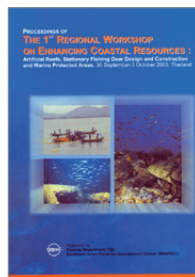
## Resources Enhancement

### Proceedings of the 1<sup>st</sup> Regional Workshop on Enhancing Coastal Resources: Artificial Reefs, Stationary Fishing Gear Design and Construction and Marine Protected Areas

(30 September - 3 October 2003, Thailand)

The 146-page report describes the review on activities related to coastal resources enhancement by countries in Southeast Asia as well as the initiatives undertaken by SEAFDEC.

By SEAFDEC/TD

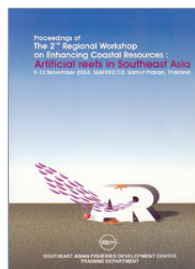


### Proceedings of the 2<sup>nd</sup> Regional Workshop on Enhancing Coastal Resources: Artificial Reefs in Southeast Asia

(9-12 November 2004, Samut Prakan, Thailand)

The 255-page proceedings summarizes TD's activities relevant to Artificial Reefs (ARs), the current status on ARs issues in the Southeast Asian countries, and the recommendations for the preparation of guidelines for ARs in the region.

By SEAFDEC/TD



## Artificial Reefs in Thailand

The publication reviews the objectives in the installation of artificial reefs, the artificial reefs concept, the importance of the ecosystem in the natural and artificial reef areas, and the evaluation on economic and social benefits to fishers living around the area. The information is based on a case study in Thailand.

By SEAFDEC/TD



## Introduction of Set-Net Fishing to Develop the Sustainable Coastal Fisheries Management in Southeast Asia: Case Study in Thailand 2003-2005

(in English and Thai)

The 402-page report contains the results of studies and researches carried out under the project on "Introduction of Set-Net Fishing to Develop the Sustainable Coastal Fisheries Management in Southeast Asia: Case Study in Thailand 2003-2005".

By SEAFDEC/TD

USD 20.00



## Set-Net Fishing Technology Transfer for Sustainable Coastal Fisheries Management in Southeast Asia

The 214-page technical manual compiles the lessons learned from the Set-Net project implemented in Rayong Province, Thailand. The manual includes the rationale and objectives, as well as the methods and techniques in implementing Set-Net fisheries to serve as a good guide for those who intend to start similar initiative in their respective countries.

By SEAFDEC/TD

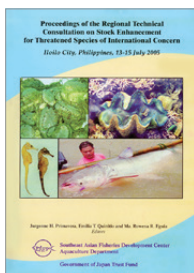


## Proceedings of the Regional Technical Consultation on Stock Enhancement for Threatened Species of International Concern

(13-15 July 2005, Iloilo, Philippines)

The 149-page proceedings describe the ASEAN-SEAFDEC directives related to species of international concerns, and the countries' initiatives and concerns on stock enhancement programs.

By SEAFDEC/AQD





## Proceedings of Workshop on Artificial Reefs for the Enhancement of Fishery Resources

(4 August 2009, Putrajaya, Malaysia)

A 189-page publication summarizes results of the workshop that aims to enhance understanding on placement of artificial reefs among Southeast Asian countries and Japan through sharing information about scientific-based designs and evaluation methods of artificial reefs executed in these areas.

By *SEAFDEC/MFRDMD*

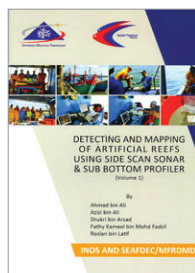


## Detecting and Mapping of Artificial Reefs Using Side Scan Sonar & Sub Bottom Profiler

(Volume 1)

The 57-page publication provides information on methods for detecting and mapping of artificial reefs and their distribution, as well as measuring their height above the seabed over a large area in the west coast of peninsular Malaysia.

By *INOS and SEAFDEC/MFRDMD*



## Fisheries Management

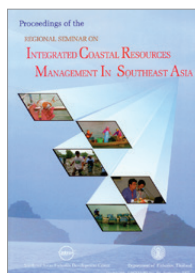
### Small-scale Fisheries Management

#### Proceedings of the Regional Seminar on Integrated Coastal Resources Management in Southeast Asia

(10-12 July 2007, Chumphon Province, Thailand)

The 239-page proceedings publish the outputs from the Seminar, particularly the outputs of the project on Integrated Coastal Resources Management (ICRM) implemented from 2001-2006 in Pakklong Sub-district, Chumphon Province; the project evaluation and recommendations for future activities; and the current approaches of the Southeast Asian countries toward realization of community-based fisheries resources management.

By *SEAFDEC/TD*



#### Proceedings of the Regional Seminar on Integrated Coastal Resources Management Approach in Southeast Asia: Review of the Project ICRM-PL

(21-23 October 2008, Langkawi, Malaysia)

The 204-page proceedings summarize the outputs, achievements and lessons learned from the project on ICRM implemented in Palau Langkawi, Malaysia from 2003 to 2006. The information should be considered by the other SEAFDEC Member Countries in the formulation and implementation of projects with the similar nature.

By *SEAFDEC/TD*



### **Proceedings of the Seminar on Integrated Coastal Resources Management Approach in Southeast Asia: Review of the ICRM-SV Project**

(26-27 January 2010, Bangkok, Thailand)

The Seminar discussed the achievements and outputs of the ICRM-SV project; verified the impacts of the project activities to the beneficiaries; discussed the resultant rationale and implication in the dissemination of the project concept to other SEAFDEC Member Countries; and identified the necessary follow-up actions to be undertaken by parties concerned.

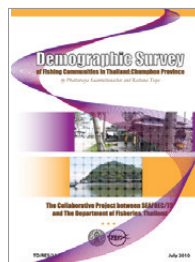
By *SEAFDEC/TD*



### **Report of the Demographic Survey of Fishing Communities in Thailand: Chumphon Province**

Demographic survey was conducted in 2010, of which the outputs were used as a basis for the development of subsequent capacity building activities. It is also expected that the outputs from this survey, as well as the lessons learned and the achievements from the project implementation, would also be useful for the other development projects that may be initiated and implemented in the area.

By *SEAFDEC/TD*



### **Other publications on Small-scale Fisheries Management**

(All by *SEAFDEC/TD*)

- Large Cast Net and Anchovy Falling Net Fisheries to Community-based Economic Development: Survey in Pakklong Sub-district, Pathew District, Chumphon Province (24 pages)
- Monitoring on Density and Distribution of Meiofauna in the Pakklong Sub-district Coastal Area (36 pages)
- Overview of Fishing Activities in the Pakklong Sub-district Coastal Area, Pathew District, Chumphon Province from March 2002 to February 2003 (33 pages)
- Carrying Capacity Estimation of Marine Finfish Cage Culture at Pathew Bay, Chumphon Province, Southern Thailand (10 pages)
- Preliminary Report of Household Survey in Pakklong Sub-district, Pathew District, Chumphon Province (25 pages)
- Final Project Evaluation of Integrated Coastal Resources Management in Pathew District (ICRM-PD)
- The New Experience of Sub-district Administrative Organization in Coastal Resource Management: the Case of Chumphon Province, Thailand
- Fish Landing Data in October 2007 - October 2009 in Prey Nop II, Sihanouk Ville, Cambodia (2009)
- Final Project Evaluation of Integrated Coastal Resources Management in Sihanouk Ville (ICRM-SV) (2009)



- Bi-annual Project Progress Report of Integrated Coastal Resources Management in Sihanouk Ville (ICRM-SV), January-June 2009 (2009)
- Bi-annual Project Progress Report of Integrated Coastal Resources Management in Sihanouk Ville (ICRM-SV), July-December 2009 (2010)
- Report of the Monitoring Socio-Economic Survey in Commune Teuk Thla, Sihanouk Ville, Cambodia (2010)
- Report of the Regional Workshop on the Promotion of Inland Small-scale Fisheries Management through Rights-based Fisheries and Co-management Towards Institutional Building and Participatory Approaches Project: Transferring Lessons Learned and Experiences (14-15 September 2011, Petchaburi Province, Thailand)
- Proceedings of the First Regional Workshop on Safety at Sea for Small Fishing Boats (17-19 December 2003, Samut Prakan, Thailand)
- Report of the Second Regional Technical Workshop on Safety at Sea for Small Fishing Boats (20-23 April 2010, Samut Prakan, Thailand)
- Report of the Third Regional technical Workshop of Safety at Sea for Small Fishing Boats (19-22 December 2011, Samut Prakan, Thailand)
- Report of the Regional Workshop on Offshore Fisheries in Southeast Asian Waters (3-4 December 2013, Bangkok, Thailand)
- Report of the Technical Workshop on Regional Fishing Vessel Record (RFVR) Database Development and Management in Southeast Asia (20-21 August 2014, Pattaya, Chonburi Province, Thailand)

## Indicators for Fisheries Management

### Indicators for Improved Fisheries Management in the ASEAN Region

The 162-page Proceedings of the Second Regional Technical Consultation on the Use of Indicators for the Sustainable Development and Management of Capture Fisheries in the ASEAN Region (9-11 March 2004, Kuala Lumpur, Malaysia). The RTC reviewed and evaluated the implementation of pilot projects, and provided recommendations for the development of the Draft Guidelines on the Use of Indicators for Improved Fisheries Management.

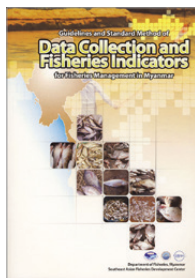
By SEAFDEC / MFRDMD



### Guidelines and Standard Method of Data Collection and Fisheries Indicators for Fisheries Management in Myanmar

This book is the guidelines for collecting and processing data on the resources for sustainable fishery management. The book also comprises examples that could be used by researchers.

By SEAFDEC / TD



**Report of the Technical Working Group on the Identification of Indicators for Sustainable Development and Management of Capture Fisheries in the ASEAN Region** (8-9 November 2004, Kuala Lumpur, Malaysia)

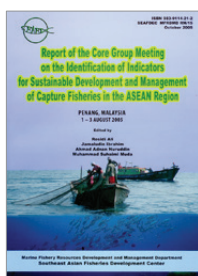
By SEAFDEC/MFRDMD

**Report of the Core Group Meeting on the Identification of Indicators for Sustainable Development and Management of Capture Fisheries in the ASEAN Region** (1-3 August 2005, Penang, Malaysia)

By SEAFDEC/MFRDMD

**Report of the Third Regional Technical Consultation Meeting on Identification of Indicators for Sustainable Development and Management of Capture Fisheries in the ASEAN Region** (13-14 October 2005, Hai Phong, Vietnam)

By SEAFDEC/MFRDMD



## Management of Fishing Capacity and Combating IUU Fishing

**Report of the Regional Core Experts Meeting on Fishing License, Boat Registration and Information on Export of Fisheries Products in Southeast Asia**

(4-7 October 2011, Bangkok, Thailand)

The report summarizes discussion and recommendations made during the Regional Core Experts Meeting on Fishing License, Boat Registration and Information on Export of Fisheries Products in Southeast Asia, particularly the minimum requirement for fishing license and boat registration, and the development of regional guidelines to prevent the trading of products from IUU fishing.

By SEAFDEC/TD



### Report of the Regional Workshop on HRD Program for Sustainable Fisheries and Related Counter-Measures to Combat IUU Fishing in Southeast Asia

(6-8 July 2011, Samut Prakan, Thailand)

The report summarizes discussion made during the Regional Workshop on HRD Program for Sustainable Fisheries and Related Counter-Measures to Combat IUU Fishing in Southeast Asia, particularly on the activities that should be undertaken to enhance human capacity in combating IUU fishing in the region, and the establishment of regional HRD network as a platform for launching of relevant activities.

By SEAFDEC/TD



### Report of Experts Group Meeting on Fishing Licensing and Boats Registration in Southeast Asia

(25-28 June 2012, Bangkok, Thailand)

The report summarizes the discussion and recommendation made during the Experts Group Meeting on Fishing Licensing and Boats Registration in Southeast Asia.

By SEAFDEC/TD

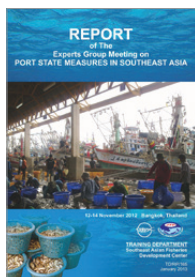


### Report of the Experts Group Meeting on Port State Measures in Southeast Asia

(12-14 November 2012, Bangkok, Thailand)

The Report summarizes the discussion and recommendations made during the Experts Group Meeting on Port State Measures in Southeast Asia.

By SEAFDEC/TD

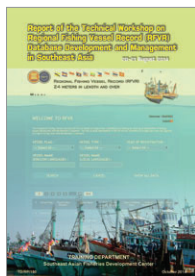


### Report of the Technical Workshop on Regional Fishing Vessel Record (RFVR) Database Development and Management in Southeast Asia

(20-21 August 2014, Chonburi, Thailand)

The report summarizes the policy recommendations and the way forward for the implementation of RFVR database, as well as an agreement for the participating countries to provide additional information required in effectively enhancing the RFVR database.

By SEAFDEC/TD



## Other publications on Management of Fishing Capacity and Combating IUU Fishing

*(All by SEAFDEC Secretariat)*

- Report of Expert Meeting on Management of Fishing Capacity in Southeast Asia (27-29 July 2006, Sihanouk Ville, Cambodia)
- Report of the Regional Technical Consultation on Management of Fishing Capacity and Human Resource Development in Support of Fisheries Management in Southeast Asia (19-22 September 2006, Phuket, Thailand)
- Study on Eco-labelling of Aquatic Products: General view and future considerations for the ASEAN region (2006)
- Report of the Regional Technical Consultation and Workshop on the Concept of an ASEAN Fisheries Development and Management Mechanism (6-8 November 2007, Bangkok, Thailand)
- Report of the Regional Workshop on Implementing the ASEAN Roadmap for Integration of Fisheries Sector (16-18 January 2008, Bangkok, Thailand)
- Report of the Sub-regional Meeting on the Gulf of Thailand in Follow-up to "the RPOA-IUU MCS Meeting in Bali" (28-29 March 2008, Bangkok, Thailand)
- Report of the Expert Meeting on Fishing Vessel Registration (30 June-2 July 2008, Phuket, Thailand)
- Report of the Workshop on Certification and Eco-labelling (30 January 2009, Bangkok, Thailand)
- Report of the Sub-regional Meeting on the Gulf of Thailand (24-26 February 2009, Bangkok, Thailand)
- Environmental Impact Assessment Report: SEAFDEC Activities Related to Climate Change and Adaptation in Southeast Asia with Special Focus on the Andaman Sea (2009)
- Report of the Workshop on Fishing Vessel Record and Inventory (27-29 July 2009, Satun Province, Thailand)
- Report of the First Meeting of the Andaman Sea Sub-region (20-22 October 2009 Phuket, Thailand)
- Report of the On-site Training/Workshop on Capacity Building for Integration of Fisheries and Habitat Management of Fishing Capacity in Indonesia, Malaysia, Myanmar and Thailand (19-22 July 2010, Medan-North Sumatera Province, Indonesia)
- Report of the Expert Consultation on Managing Fishing Capacity to Combat IUU Fishing in Southeast Asia (15-17 September 2010, Bangkok, Thailand)
- Report of the Third Meeting of the Gulf of Thailand Sub-region (20-22 September 2011, Siem Reap, Cambodia)
- Report of the Sub-regional Consultative Meeting of the Southern Andaman Sea (11-13 October 2011, Phuket, Thailand)
- Report of the Sub-regional Consultative Workshop of the Northern Andaman Sea (13-14 March 2012, Bangkok, Thailand)
- Report of Regional Core Expert Meeting on Preventing Export of IUU Fishing Products in Southeast Asia (20-22 November 2012)

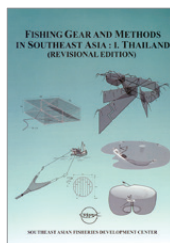
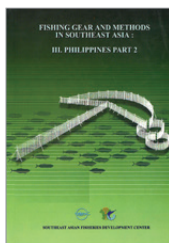
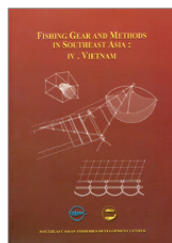
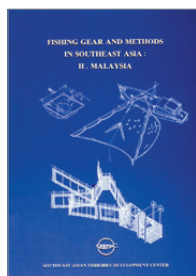
- Report of the 2<sup>nd</sup> Meeting of the Andaman Sea sub-region (28-29 August 2013, Phang-Nga province, Thailand)
- Report of the Regional Core Expert Meeting on Combating IUU Fishing in Southeast Asian Region Through Application of Catch Certification for International Trade in Fish and Fishery Product (7-9 October 2013, Kuala Lumpur, Malaysia)
- Report of the 4<sup>th</sup> Meeting of the Gulf of Thailand Sub-region (18-19 December 2013, Bangkok, Thailand)
- Report of the First Technical Meeting of the Joint Working Team for Fisheries Management between Cambodia and Vietnam (5-7 March 2014, Phu Quoc Island, Kien Giang Province, Vietnam)
- Report of the Sub-regional Technical Meeting on the Effective Fisheries Management between Malaysia and Thailand (14-15 May 2014, Penang, Malaysia)
- Report of the Sub-regional Consultative Meeting on the Collaborative Fisheries Management around the North Andaman Sea/Myeik Archipelago (27-28 May 2014, Phuket, Thailand)

## Fishing Technologies and Practices

### Fishing Gears and Methods

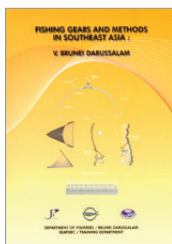
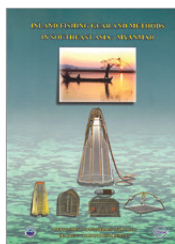
A series of scientific volumes comprises information on fishing gear structures and fishing methods obtained through surveys conducted by scientific researchers and fishing gear experts in Malaysia, Vietnam, Philippines, Thailand, Myanmar, Brunei Darussalam and Cambodia.

- **Fishing Gear and Methods in Southeast Asia: Malaysia (1989)**
- **Fishing Gear and Methods in Southeast Asia: Vietnam (2002)**
- **Fishing Gear and Methods in Southeast Asia: Philippines Part I (2003)**
- **Fishing Gear and Methods in Southeast Asia: Philippines Part II (2004)**
- **Fishing Gear and Methods in Southeast Asia: Thailand (revision edition, 2004)**



- **Inland Fishing Gear and Methods in Southeast Asia: Myanmar (2006)**
- **Fishing Gear and Methods in Southeast Asia: Brunei Darussalam (2007)**
- **Fishing Gear and Methods in Southeast Asia: Cambodia (2007)**

By SEAFDEC/TD



### Pelagic Longline

The handbook describes the principles and techniques of good pelagic longline fishing, particularly for tunas. This could be used by fishers who want to start, refine or broaden their skills.

By SEAFDEC/TD



### Mitigation of the Fishery-Sea Turtles Interaction: Efficiency of the Circle Hook in Comparison with J-Hook in Longline Fishery

The 8-page pamphlet describes the result from fishing gear experiment to compare the efficiency of circle hook and J-hook in pelagic longline fishing in the Southeast Asian waters.

By SEAFDEC/TD



### Report on the Fishing Trial and Demonstration to Promote the Use of Circle Hook in Line Fishing (23-25 March 2011, Kampung Aceh, Perak, Malaysia)

This report describes the fishing trial and demonstration using circle hook in line fishing in Kampung Aceh, Perak, Malaysia during 23-25 March 2011.

By SEAFDEC/TD



## Report on the Fishing Trial and Demonstration to Promote the Use of Circle Hook in Line Fishery (29 September - 1 October 2009, Kuching, Sarawak, Malaysia)

This report describes the fishing trial and demonstration using circle hook in line fishing in Kuching, Sarawak, Malaysia during 29 September - 1 October 2009

By SEAFDEC/TD



## Auxiliary Sail for Small/Medium Scale Fishing Boat

A 46-page technical manual describes the use of auxiliary sail, aiming to save fuel, reduce pollution due to combustion of hydrocarbons, and promote sail design that is practical for the Southeast Asian region.

By SEAFDEC/TD



## Trawl in Southeast Asia and Coral Triangle

A poster provides information on trawl net in Southeast Asia and Coral Triangle region.

By SEAFDEC/TD



## Classification of Bottom Trawl

A poster provides information on classification of bottom trawl.

By SEAFDEC/TD



## Selective Fishing Devices

(All by SEAFDEC/TD)

### Study on JTEDs in the Southeast Asian countries

- Study on JTEDs in Thailand (1998-1999)
- Study on JTEDs in Brunei Darussalam (2000)
- Study on JTEDs in Vietnam (2001)
- Study on JTEDs in Malaysia (2001)
- Study on JTEDs in Philippines (2002)
- Study on JTEDs in Indonesia (2003)
- 2<sup>nd</sup> Study on JTEDs in Brunei Darussalam (2003)
- Study on JTEDs in Myanmar (2004)
- Study on JTEDs in Cambodia (2004)

### Construction of Juvenile and Trash Excluder Device (JTED)

The booklet outlines the construction of a Juvenile and Trash Excluder Device using the Semi-Curved Rigid Sorting Grid Design in order to minimize the capture of juveniles and unwanted fishes from trawl fisheries.



### Construction of Thai Turtle Free Device (TTFD)

The booklet outlines the construction of a Thai Turtle Free Device (TTFD) in order to minimize the sea turtles by-catch from trawl fisheries.



### VCDs on Fishing Technologies and Practices

(All by SEAFDEC/TD)

- Anchovy Processing
- Brine System on M.V. SEAFDEC
- Code of Conduct for Responsible Fisheries
- Collapsible Crab Trap
- Connecting Lines
- Crab Bank
- Demonstration and Core Expert Meeting on Tagging Program for Economically Important Pelagic Species in the South China Sea and Andaman Sea (1-3 May 2007, Samutsakorn Province, Thailand)
- Demonstration and Training on By-catch Reduction Devices, (13-22 June 2004, Tual, Indonesia)
- Demonstration and Training on By-catch Reduction Devices (Sibolga -North Sumatera, Indonesia)
- Demonstration and Training on TED & JTED in Arafura Sea, Indonesia
- Engine Analyzer
- Fishing Boats in Malaysia
- Fishing Boats in Southeast Asia
- Fishing Boats in Thailand
- Fishing Boats in the Philippines
- Giant Fish Trap
- Gill Net
- Introduction of Semi-curved Rigid Sorting Grid JTEDs (Construction and Installation)
- JTEDs in Brunei Darussalam
- JTEDs in Malaysia
- JTEDs in the Philippines
- JTEDs in Vietnam
- JTEDs (Sea Trial in Rayong Province, Thailand)
- JTEDs in Indonesia (various locations)
- JTEDs in the Philippines (various locations)
- Line Fisheries



- Longline New Technology for Tuna in Southeast Asia
- M.V. SEAFDEC
- M.V. SEAFDEC 2
- Mollusk Culture in Thailand
- Onboard Fish Handling Technology and Refrigeration System on Thai Trawler
- Practical Training/Demonstration and Experiments on the Juvenile and Trash Excluder Devices JTEDs in San Miguel Bay, Philippines
- Practical Training/Demonstration and Experiments on the Juvenile and Trash Excluder Devices JTEDs in Calbayog City, Philippines
- Simulator
- Squid Fishing Using Luring Lamp
- Surimi: Utilization of Low Market Value Food Fish
- Technical Assistance and Promotion of JTEDs in Perak Malaysia (2008)
- TEDs & JTEDs in Myanmar
- TEDs Television Program
- Thai Turtle Free Device
- The Regional Practical Workshop on Selective Fishing Devices
- The Second Demonstration and Experiment on the Juvenile and Trash Excluder Devices JTEDs in Vietnam (12-24 September 2005)
- The Use of Turtle Excluder Devices in Thailand
- Trawl Fisheries
- Tuna Purse Seine
- Women in Fisheries
- Evolutionary of Sustainable Fisheries Management in Thailand
- Regional Training of Trainers Course on Improvement of Fisheries Information Collection in Coastal Small-scale and Inland Fisheries of the Southeast Asian Region
- Regional Training Workshop on Data Collection Trawl Fisheries Management Information and Data Requirement
- Long-term Training Course on Navigation and Fishing Boats Control

## Fish Handling and Post-harvest Practices

### Fish Handling, Preservation and Utilization

#### On-board Fish Handling and Preservation Technology

The 79-page book describes onboard fish-handling and preservation techniques in combination with practical refrigeration system, which has been introduced to fishers in Southeast Asian countries in order to maintain the freshness and quality of fish onboard fishing boats.

By SEAFDEC / TD

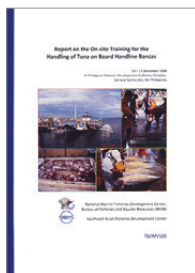


### Report on the On-site Training for the Handling of Tuna on Board Handline Bancas

(10-11 December 2008, General Santos City, Philippines)

General Santos City has the highest daily tuna landing comparing to the other fishing ports in the Philippines. However, more than 70% of landed tuna are low quality due to poor handling and preservation technique on board fishing vessels. SEAFDEC therefore conducted an on-site training on appropriated tuna handling and preservation technique to local fishers, fishing boat owners and local officers concerned.

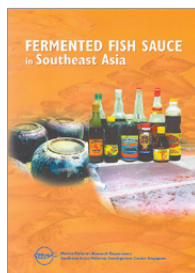
By SEAFDEC/TD



### Fermented Fish Sauce in Southeast Asia

In Southeast Asia, one of the methods of utilizing fish is to make it into fish sauce. Fish sauce is widely used as a condiment or as ingredient in cooking to add 'meat' flavor to the dishes. The book describes the characteristics and methods for producing the fish sauce.

By SEAFDEC/MFRD



### Southeast Asian Fish Products (4<sup>th</sup> edition, 2002)

Fish is a major traditional source of animal protein in the Southeast Asian region. There are many varieties of freshwater and marine fish widely accepted by most people and religions. These products are also available as traditional fish products and are listed in this publication.

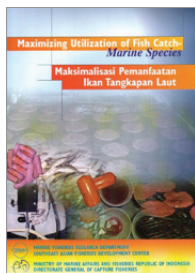
By SEAFDEC/MFRD



### Maximizing Utilization of Fish Catch -- Marine Species

The book includes a range of value-added products developed from marine fishes in the Southeast Asian region.

By SEAFDEC/MFRD



## Maximizing Utilization of Fish Catch -- Freshwater Species

The book includes a range of value-added products developed from freshwater fishes in the Southeast Asian region.

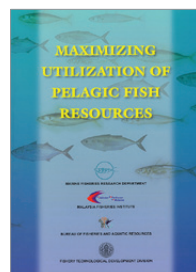
By SEAFDEC/MFRD



## Maximizing Utilization of Pelagic Fish Resources

The 123-page manual describes the processing of pelagic fish species, *i.e.* comminuted products, dried products, fermented products, smoked products and others. Costing for each product category, and Standard Operating Procedures (SOP) for processing of surimi and unwashed minced fish meat from pelagic fish are also included.

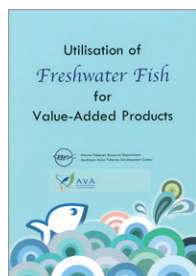
By SEAFDEC/MFRD



## Utilisation of Freshwater Fish for Value-Added Products

This publication is the major output of the project on Utilization of Freshwater Fish for Value Added products conducted by MFRD together with Indonesia, Myanmar, Lao PDR and Vietnam, each of which developed two products from catfish, rohu and clown featherback fish. The handbook includes a description of freshwater fisheries in these countries, the freshwater species used, the value-added products developed, the processing steps and, results of shelf-life studies.

By SEAFDEC/MFRD

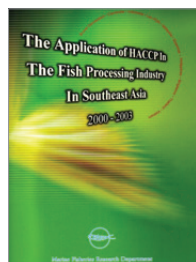


## Enhancing Quality and Safety of Fish Products

### The Application of HACCP in the Fish Processing Industry in Southeast Asia 2000-2003

The publication includes individual country's status report on the application of HACCP in the fish processing industry, as well as for traditional fish products.

By SEAFDEC/MFRD



### Good Manufacturing Practice (GMP) for Small and Medium-sized Fish and Fish Products Pre-Processing Establishments in ASEAN

The publication compiles the GMP for selected Pre-Processing Establishment (PPEs) in the ASEAN countries, *i.e.* Shrimp PPE, Fish Meat/Filleting PPE, Crab Meat Picking PPE, and Shrimp Salting PPE. The process flow diagram, processing steps and GMP for the products are described.

By SEAFDEC/MFRD



### Good Manufacturing Practice (GMP) for Small and Medium-sized Traditional Fish Products Processing Establishments in ASEAN

The publication compiles the GMP for selected Traditional Fish Products Processing Establishments (TPEs) in the ASEAN countries, *i.e.* shrimp paste (*belacan*, *mam tom*), fish sauce (*nam pla*, *nuoc mam*, *ngan pya ye*), shrimp sauce (*alamang*), salted and boiled fish (*pindang*), fish ball, dried fish (*pa heang*), dried shrimp, fish cracker (*keropok lekor*), smoked fish (*tinapa*), and fermented fish (*ngachin*).

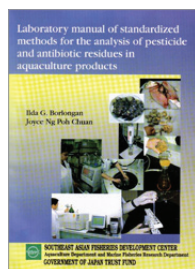
By SEAFDEC/MFRD



### Laboratory Manual of Standardized Methods for the Analysis of Pesticide and Antibiotic Residues in Aquaculture Products

The book describes the standardized methods for analyzing pesticides and antibiotic residues with the aim of building up and strengthening the regional capability in such analytical testing.

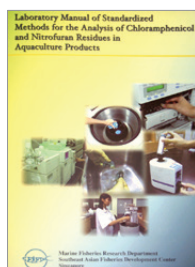
By SEAFDEC/AQD and MFRD



### Laboratory Manual of Standardized Methods for the Analysis of Chloramphenicol and Nitrofurans Residues in Aquaculture Products

The book describes the standardized methods for analyzing Chloramphenicol (CAP) and Nitrofurans (NF), with the aim of building up and strengthening the regional capability in such analytical testing.

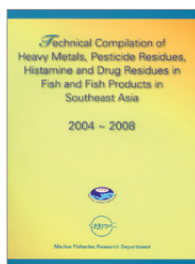
By SEAFDEC/MFRD



### Technical Compilation of Heavy Metals, Pesticide Residues, Histamine and Drug Residues in Fish and Fish Products in Southeast Asia 2004-2008

The 203-page book compiles the baseline information on the current situation of chemical and drug residues in seafood in some Southeast Asian countries. The information is based on the regional surveys undertaken by SEAFDEC/MFRD under the project on “Chemical and Drug Residues in Fish and Fish Products in Southeast Asia”.

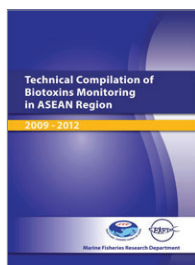
By SEAFDEC/MFRD



### Technical Compilation of Biotoxins Monitoring in ASEAN Region

The publication compiles the results of the biotoxins monitoring surveys conducted by some Southeast Asian Countries participating in the project on biotoxins monitoring implemented by SEAFDEC/MFRD. The book also describes the recommended methods for biotoxins analysis.

By SEAFDEC/MFRD



### Promotion of “One Village, One Fisheries Product (FOVOP)”

- Report of the First Regional Technical Consultation (RTC) on the Promotion of “One Village, One Fisheries Product (FOVOP)” in the ASEAN Region (24-27 March 2008, Bangkok, Thailand)
- Report of the ASEAN-SEAFDEC Regional HRD Workshop on Identification of Potentials and Problem Areas for the Promotion of “One Village, One Fisheries Product (FOVOP)” in the ASEAN Region (8-22 August 2008, Chiang Mai, Thailand)
- Report of the Second Regional Technical Consultation on the Promotion of “One Village, One Fisheries Product (FOVOP)” in the ASEAN Region (22-26 March 2010, Chiang Mai, Thailand)

(All by SEAFDEC Secretariat)

## Aquaculture

### AQD Magic

A 10-minute video that introduces visitors to AQD’s research-and-development activities. Also includes short videos on AQD’s Binangonan Freshwater Station, Dumangas Brackishwater Station and Igang Marine Station.

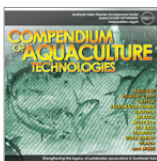
By SEAFDEC/AQD



### Compendium of Aquaculture Technologies

A DVD that contains all of AQD’s work for the past 35 years: 1973-2008

By SEAFDEC/AQD



### Health Management in Aquaculture (2<sup>nd</sup> edition)

A 316-page textbook describes the major diseases of cultured fish & crustaceans including the prevention & control methods and diagnostic techniques for these diseases. New chapters on histology, probiotics, and epidemiology were also included in this edition.

By SEAFDEC/AQD

USD 43.00



### Prevention and control measures against viral nervous necrosis (VNN) in marine fish hatcheries

A 38-page extension manual describes the clinical signs, behavioral changes, and species affected by the virus; detection, prevention and control methods are also included.

By SEAFDEC/AQD

USD 6.00

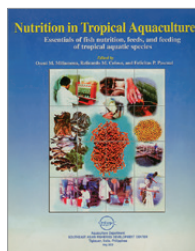


### Nutrition in Tropical Aquaculture

The 221-page book has eight chapters, covering aspects on aquaculture nutrition, feed formulation and feeding management. This book is the product of more than 25 years of research experiences in fish nutrition and feed development at SEAFDEC/AQD.

By SEAFDEC/AQD

USD 4.00

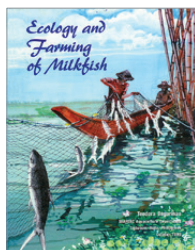


### Ecology and Farming of Milkfish

This book is a 171-page, reader-friendly illustrated account of the life history of milkfish (*Chanos chanos*) in nature and in aquaculture. It describes the different farming systems and status of the milkfish industry, and recommends means to ensure sustainability.

By SEAFDEC/AQD

USD 13.00

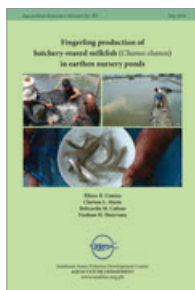


### Fingerling production of hatchery-reared milkfish (*Chanos chanos*) in earthen nurseries ponds

A 32-page extension manual describes the three types of nurseries, site selection, and pond preparation; fry selection, handling, transport, acclimation and stocking; fish monitoring, feeding, and harvest; and economics.

By SEAFDEC/AQD

USD 6.00

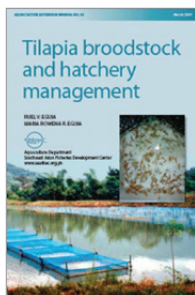


### Tilapia broodstock and hatchery management

This 48-page manual is the result of the refinements of AQD's tilapia hatchery technology.

By SEAFDEC/AQD

USD 4.50



### Modiyular na pag-aalaga ng tilapya sa mga kulungang lambat

A 27-page extension manual written in Filipino detailing traditional cage culture method, concept of modular cage culture, economic feasibility of modular cage culture and post harvest processing

By SEAFDEC/AQD

USD 5.00

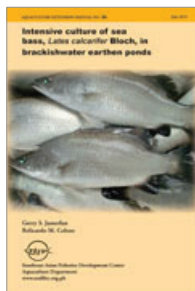


### Intensive culture of seabass, *Lates calcarifer* Bloch, in brackishwater earthen ponds

A 35-page extension manual describing criteria for site selection, monoculture and polyculture operations including feeds and feeding, harvest, common diseases, and economic analysis for seabass intensive culture

By SEAFDEC/AQD

USD 6.00





### Grow-out culture of the Asian catfish *Clarias macrocephalus* (Gunther)

The 29-page manual deals with site selection, catfish rearing systems, disease management, and the economics of the grow-out culture of catfish.

By SEAFDEC/AQD

USD 6.00



### Biology and hatchery of mud crabs *Scylla* spp.

This 47-page revised edition of the 2003 manual describes the hatchery protocol that SEAFDEC/AQD developed for the mass production of *Scylla* spp. Setting up of the hatchery is described, as are the steps in managing the breeders, larval rearing, and nursery rearing. Common problems and their solutions, and an updated economic analysis are also discussed.

By SEAFDEC/AQD

USD 8.00



### Seed production and grow-out of mud crab (*Scylla paramamosain*) in Vietnam

This 29-page manual provides information on the biology and techniques in the larval rearing, nursery and grow-out of the mud crab *Scylla paramamosain*.

By SEAFDEC/AQD

USD 4.00



### Mud crab nursery in ponds

A 27-page extension manual that is highly illustrated, detailing the biology, nursery, harvest, marketing, costs-and-returns of mud crab nursery in ponds.

By SEAFDEC/AQD

USD 5.00



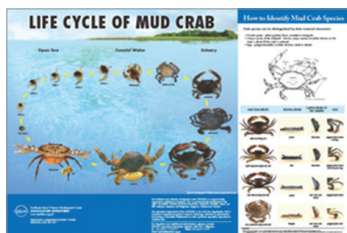


### Live cycle of mud crab (poster)

A 36 x 24.5 inches poster showing the life cycle of mud crab and the identification of different mud crab species.

By SEAFDEC/AQD

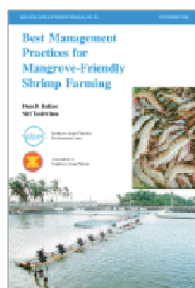
USD 6.00



### Best Management Practices for a Mangrove-friendly Shrimp Farming

This 50-page manual puts together the best practices that SEAFDEC/AQD has developed in collaboration with the Department of Fisheries Thailand. These practices include the use of biomanipulators and greenwater system, the use of settling ponds with baffles and biofilters, the use of sludge collectors among others. These practices have been field-tested in Thailand, the Philippines, Myanmar and Vietnam.

By SEAFDEC/AQD



### Breeding and seed production of the giant freshwater prawn (*Macrobrachium rosenbergii*)

A 33-page extension manual describing biology, broodstock management, hatchery & nursery operations, feeding management, packing & transport, and health management of the giant freshwater prawn.

By SEAFDEC/AQD

USD 6.00

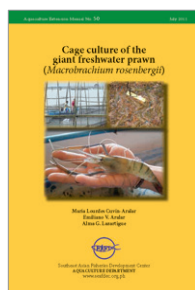


### Cage culture of the giant freshwater prawn (*Macrobrachium rosenbergii*)

A 30-page extension manual describes biology, site requirement, grow-out operations, health management, harvest, post-harvest handling & processing, and economic analysis of freshwater prawn cage culture.

By SEAFDEC/AQD

USD 5.00



### Philippine freshwater prawns (*Macrobrachium* spp.)

This 50-page manual provides information on the biology, morphology, natural distribution, habitat, and economic importance of selected freshwater prawns found in the Philippines.

By SEAFDEC/AQD

USD 6.00

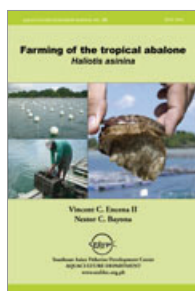


### Farming of the tropical abalone *Haliotis asinina*

A 30-page extension manual detailing site selection, nursery and grow-out operations, harvest for abalone farming tropical and live transport, and economic feasibility.

By SEAFDEC/AQD

USD 6.00

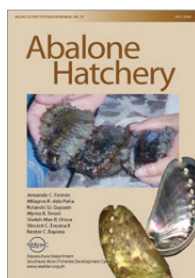


### Abalone Hatchery

This 31-page manual contains information on abalone hatchery operation, including site selection, design, culture of natural food, broodstock management, spawning, nursery, packing and transport, and profitability analyses.

By SEAFDEC/AQD

USD 6.50

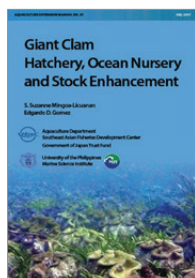


### Giant Clam Hatchery, Ocean Nursery and Stock Enhancement

This 109-page manual details the propagation of giant clam for stock enhancement purposes. The publication was jointly published by SEAFDEC/AQD, UP-MSI and DA-BFAR.

By SEAFDEC/AQD

USD 14.00



### Seed production of sandfish (*Holothuria scabra*) in Vietnam

A 12-page extension manual describing broodstock management, larval rearing, and management of sandfish nursery systems.

By SEAFDEC/AQD

USD 4.00

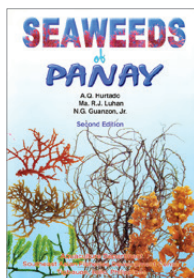


### Seaweeds of Panay (2<sup>nd</sup> edition)

This 50-page book lists 112 species of seaweeds found in Panay Island in west central Philippines, 27 of which are new records to the area. Each color photograph is accompanied by a physical description. Common names, seaweed habitat, economic importance, and collection site are also noted.

By SEAFDEC/AQD

USD 5.00



### The Malalison Experience: Empowering an Island Community in West Central Philippines

A 64-page booklet that describes SEAFDEC's community fishery resources management project from 1991 to 1998 with a post project assessment in 2009.

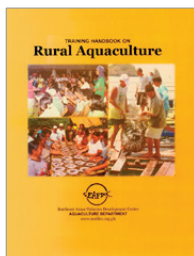
By SEAFDEC/AQD



### Training Handbook on Rural Aquaculture

A 296-page handbook with chapters on concepts & approaches of sustainable rural aquaculture, importance & conservation of coastal ecosystems, aquaculture technologies, socio-economics of fishing communities, policies concerning fisheries and aquaculture in Southeast Asia, business planning, and approaches and strategies of the technology transfer pathways at SEAFDEC/AQD.

By SEAFDEC/AQD



## Sustainable Aquaculture Development for Food Security in Southeast Asia Towards 2020

This 169-page book documents the outputs from the Regional Technical Consultation on Sustainable Aquaculture held in Bangkok, Thailand during 17-19 March 2010.

By SEAFDEC/AQD

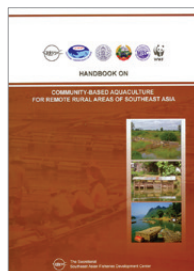
USD 16.00



## Handbook on Community-based Aquaculture for Remote Rural Areas of Southeast Asia

The 179-page handbook elaborates the concept of community-based aquaculture to support the development of remote rural areas of Southeast Asia, and the applicable aquaculture techniques. The practical approaches for the promotion of aquaculture-based rural livelihood program are also explained.

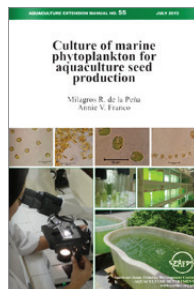
By SEAFDEC Secretariat



## Culture of Marine Phytoplankton for Aquaculture Seed Production

The 32-page extension manual describes the biology, culture techniques and maintenance and mass propagation of 12 phytoplankton species used as live feed in marine hatcheries.

BY SEAFDEC/AQD



## Hatchery Production of Snubnose Pompano *Trachinotus blochii* Lacepede

A 26-page extension manual describing the biology, broodstock acquisition & management, larval rearing, harvest & transport and prevention of diseases & parasites in hatchery production of pompano.

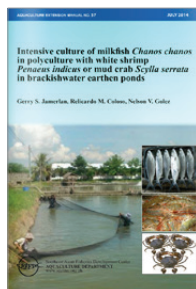
BY SEAFDEC/AQD



### Intensive culture of Milkfish *Chanos chanos* in Polyculture with White Shrimp *Penaeus indicus* or Mud Crab *Scylla serrata* in Brackishwater Earthen Ponds

A 29-page extension manual describing the biology, site selection, pond management and harvest & post-harvest practices of milkfish intensive polyculture in earthen ponds.

BY SEAFDEC/AQD



### Milkfish *Chanos chanos* Cage Culture Operations

A 39-page extension manual describing the biology, fingerling production, site selection, cage design & construction, measurement & analysis of water & sediment quality parameters and economic analysis of milkfish cage culture operations.

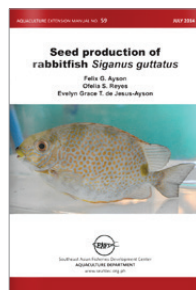
BY SEAFDEC/AQD



### Seed Production of Rabbitfish *Siganus guttatus*

A 19-page extension manual describing the biology, site selection, broodstock management, larval rearing and larval food production for rabbitfish.

BY SEAFDEC/AQD



### Other Aquaculture Publications (All by SEAFDEC/AQD)

1. The Farming of the seaweed *Kappaphycus*
2. Tilapia farming in cages and ponds
3. Induced breeding and seed production of bighead carp
4. Net cage culture of tilapia in dams and small farm reservoirs
5. Pen culture of mud crab in mangroves
6. Feeds and feeding of milkfish, Nile tilapia, Asian sea bass and tiger shrimp
7. Responsible aquaculture development
8. Important penaeid prawns and shrimps (poster)

2013/2014

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3. Apines-Amar MJS, Amar EC, Faisan FP Jr. 2013. Growth, plasma cortisol, liver and kidney histology, and resistance to vibriosis in brown-marbled grouper, *Epinephelus fuscoguttatus* fed onion and ginger. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society - AACL Bioflux* 6:530-538.
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9. Bautista-Teruel MN, de la Pena MR, Asutilla AJ. 2013. Evaluation of agar-bound microparticulate diet as alternative food in abalone hatchery: Effects of agar concentrations and feeding frequencies. *Journal of Shellfish Research* 32:9-15.
10. Buen-Ursua SMA, Azuma T, Arai K, Coloso RM. Improved reproductive performance of tiger tail seahorse, *Hippocampus comes*, by mysid shrimp fed singly or in combination with other natural food. *Aquaculture International* (online first)
11. Corpuz MNC, Camacho MVC, Ocampo PP. 2013. Morphometric and morphomeristic variations in five populations of indigenous Celebes goby *Glossogobius celebius* (Perciformes: Gobiidae) from Southern Luzon, Philippines. *The Philippine Agricultural Scientist* 96:75-85.

12. Cuvin-Aralar MLA. Embryonic development of the Caridean prawn *Macrobrachium mammillodactylus* (Crustacea: Decapoda: Palaemonidae). Invertebrate Reproduction & Development (online first)
13. Cuvin-Aralar MLA, Lazartigue AG, Aralar EV. 2013. Net mesh size affects production of giant freshwater prawn *Macrobrachium rosenbergii* cultured in lake-based cages. Journal of Applied Ichthyology 29:833-838.
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