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JOURNAL ARTICLE:

Citation #
Article title.

NAL Call No.

Author. Place of publication: Publisher. Journal Title.
Date. Volume (Issue). Pages. (NAL Call Number).

Example:

1 NAL Call No.: DNAL 389.8.SCH6
Morrison, S.B. Denver, Colo.: American School Food Service
Association. School foodservice journal. Sept 1987. v. 41
(8). p.48-50. ill.

BOOK:

Citation # NAL Call Number
Title.
Author. Place of publication: Publisher, date. Information
on pagination, indices, or bibliographies.

Example:

1 NAL Call No.: DNAL RM218.K36 1987
Exploring careers in dietetics and nutrition.
Kane, June Kozak. New York: Rosen Pub. Group, 1987.
Includes index. xii, 133 p.: ill.; 22 cm. Bibliography:
p. 126.

AUDIOVISUAL:

Citation # NAL Call Number
Title.
Author. Place of publication: Publisher, date.
Supplemental information such as funding. Media format
(i.e., videocassette): Description (sound, color, size).

Example:

1 NAL Call No.: DNAL FNCTX364.A425 F&N AV
All aboard the nutri-train.
Mayo, Cynthia. Richmond, Va.: Richmond Public Schools,
1981. NET funded. Activity packet prepared by Cynthia
Mayo. 1 videocassette (30 min.): sd., col.; 3/4 in. +
activity packet.

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AQUACULTURE: SHRIMP FARMING

SEARCH STRATEGY

Set	Description
===	=====
S1	SHRIMP?/TI,DE
S2	PRAWN?/TI,DE
S3	MACROBRACHIUM/TI,DE
S4	PENAEUS/TI,DE
S5	(SHRIMP? OR PRAWN? OR MACROBRACHIUM OR PENAEUS)/TI,DE
S6	AQUACULTURE/TI
S7	FARM?/TI
S8	RAIS?/TI
S9	PRODUCTION/TI
S10	MARICULTURE/TI

S11 CULTURE?/TI
S12 (AQUACULTURE OR FARM? OR RAIS? OR PRODUCTION OR
MARICULTURE OR CULTURE?)/TI
S13 S5 AND S12

=====

Aquaculture: Shrimp Farming

1 NAL Call. No.: HD101.S6
Application of a bio-economic-engineering model for shrimp
mariculture
systems.
Adams, C.M.; Griffin, W.L.; Nichols, J.P.; Brick, R.E.
Lexington, Ky., Southern Agricultural Economics Assoc; July 1980.
Southern journal of agricultural economics v. 12 (1): p. 135-141;
July 1980. 23 ref.

Descriptors: Shellfish; Models; Production potentials

Abstract: Extract: The bio-economic-engineering (BEE) model
developed in our study is capable of integrating biological
growth functions with engineering and economic relationships to
examine penaeid shrimp mariculture systems through budgeting and
cash flow statements. On the basis of costs and returns generated
by the model, economies of size are examined by incrementing pond
size and then number of ponds for a given facility design.
Sensitivity
analysis is performed to provide information about the
responsiveness of net revenue to change in select production
variables and prices.

2 NAL Call. No.: 290.9 AM32T
Aquacultural engineering in fresh water prawn production.
Wang, J.K.; Williamson, M.R.
St. Joseph, Mich., The Society; Sept/Oct 1980.
Transactions of the ASAE - American Society of Agricultural
Engineers v. 23 (5): p. 1318-1321, 1325. ill; Sept/Oct 1980. 18
ref.

Language: ENGLISH

3 NAL Call. No.: 157.8 R29 no.246657
The aquaculture of fresh water prawns (Macrobrachium species).
Goodwin, H. L.; (Harold Leland); Hanson, Joe A.
Waimanalo, Hawaii Oceanic Institute; 1975.
95 p. : ill. ; 28 cm.. (United States. National Technical
Information Service. PB ; 246657). Grant 04-5-158-13. A summary
of proceedings, augmented by material from other sources, of the
Workshop on the Culture of Freshwater Prawns held November 25 and
26, 1974, at the Marine Research Laboratory of the Florida Dept.
of Natural Resources, St. Petersburg, Fla.

Descriptors: Shrimps culture; Shrimps

4 NAL Call. No.: SH317.A8
Aquaculture potential in southern freshwater prawn (*Macrobrachium rosenbergii*, *Macrobrachium australiense*, reproduction).
Fielder, D.
Canberra : Australian Government Publishing Service; Sept 1983.
Australian fisheries v. 42 (9): p. 43-45; Sept 1983. Includes references.

Language: English

5 NAL Call. No.: SH1.A66
Artemia salina as pabulum for growing penaeids under laboratory conditions (Shrimp culture).
Palmegiano, G.B.; Trotta, P.
London : Applied Science Publishers; 1983.
Aquacultural engineering v. 2 (3): p. 173-179. ill; 1983.
Includes references.

Language: English

6 NAL Call. No.: SH380.62.P6B5
Biology and culture of *Penaeus monodon*.
Brackishwater Aquaculture Information System
Tigbauan, Iloilo, Philippines : The System; 1988.
vi, 178 p. : ill. ; 23 cm. (BRAIS state-of-the-art series ; no. 2). Includes bibliographical references.

Language: English

Descriptors: Shrimp culture; Philippines; *Penaeus monodon*;
Shrimps; Physiology; Shrimp culture

7 NAL Call. No.: SH216.4.B395 no.35
Brackishwater shrimp culture demonstration in Bangladesh.
Karim, M.
Bay of Bengal Programme, Development of Small-Scale Fisheries
Madras, India : Bay of Bengal Programme, [1986?]; 1986.
v, 43 p. : ill. ; 30 cm. (BOBP/REP ; 35). Development of Small-Scale
Fisheries in the Bay of Bengal, Madras, India, December 1986.
GCP/RAS/040/SWE. Executing Agency: Food and Agriculture
Organization of the United Nations. Funding Agency: Swedish
International Development Authority.

Language: English

8 NAL Call. No.: TRANSL 26800
Breeding and intensive farming of the shrimp *Penaeus kerathurus* (Forskael) 1775) from egg to post-larva = Riproduzione ed allevamento intensivo di *Penaeus kerathurus* (Forskael, 1775) dall'uovo alla post-larva.

Lumare, F.
Washington, D.C. NOAA; 1980.
29 leaves. Translated from Italian. Translated from: Bulletin
of
hydrobiological fisheries, 1971, 26, 1 & 2, p. 209-236.
Bibliography: leaf 27.

Language: ENGLISH; ITALIAN

9
NAL Call. No.: SH1.C65
Brine shrimp *Artemia* in coastal saltworks is inexpensive food
source (Intensive fish or crustacean farming).
Sorgeloos, P.
Little Rock, Ark. : Briggs Associates, Inc; Nov/Dec 1983.
Aquaculture magazine v. 10 (1): p. 25-27; Nov/Dec 1983. Includes
references.

Language: English

10
NAL Call. No.: SH117.I45S6
Budidaya ikan dan udang dalam tambak [Fish and shrimp culture in
ponds]. Soeseno, Slamet
Jakarta : Gramedia,; 1983.
xii, 148 p. : ill. ; 21 cm. Bibliography: p. 145-148.

Language: Indonesian

Descriptors: Fish-culture; Indonesia; Shrimp culture; Indonesia;
Fish ponds; Indonesia

11
NAL Call. No.: SH380.62.B7V51
Camaroes de agua doce instalacoes : caseiras, comerciais,
industrias
[Freshwater prawn farming facilities].
Vieira, Marcio Infante,
Sao Paulo, SP, Brasil : Nobel,; 1986.
110 p. : ill. ; 23 cm.

Language: Portuguese

Descriptors: Shrimp culture; Brazil

12
NAL Call. No.: SH1.I5
Changing pattern of prawn production in small-scale fisheries of
India.
George, M.J.; Suseelan, C.
Bangkok, FAO Regional Office for Asia and the Pacific; 1980.
Symposium on the Development and Management of Small-Scale
Fisheries : proceedings of the 19th session, Indo-Pacific Fishery
Commission, Kyoto, Japan, 21-30 May 1980. p. 402-425. ill., maps;
1980. 5 ref.

Descriptors: India

13 NAL Call. No.: SH380.62.C6C55 1989
Chung-kuo tui hsia yang chih hsin chi shu [New technology on
China's shrimp culture]., Ti 1 pan..
Chi, Ch'eng-lin; Ch'en, Kuang-hui
Pei-ching : Chin tun ch'u pan she,; 1989.
3, 154 p. : ill. ; 19 cm.

Language: Chinese

Descriptors: Shrimp culture

14 NAL Call. No.: SH299.C432 no.28
Coastal aquaculture marine prawn culture.
Central Marine Fisheries Research Institute
Cochin, India : Central Marine Fisheries Research Institute,;
1978.
vi, 90 p. : ill. ; 28 cm.. (CMFRI bulletin ; 28).

Language: English; English

Descriptors: Aquaculture; India; Shrimp culture; India

15 NAL Call. No.: SH216.4.B395 no.20
Coastal aquaculture project for shrimp and finfish in Ban Merbok,
Kedah, Malaysia.
Madras, India : Bay of Bengal Programme, Development of Small-
Scale
Fisheries,; 1984.
iv, 30, [1] p. : ill., map, ; 28 cm. (BOBP/REP ; no. 20).
Bibliography: p. 30-[32].

Language: English

16 NAL Call. No.: SH1.A6
Costs and returns for Macrobrachium grow-out in South Carolina,
U.S.A.
(Alternative foods, prawn production).
Roberts, K.J.; Bauer, L.L.
Amsterdam, Elsevier; Dec 1978.
Aquaculture v. 15 (4): p. 383-390. ill; Dec 1978. 3 ref.

Language: ENGLISH

17 NAL Call. No.: SH1.A6
Cultivation of the Sydney rock oyster *Crassostrea commercialis*
(Iredale and Roughley) in prawn farming ponds.
Maguire, G.B.; Wisely, B.; Skeel, M.E.
Amsterdam, Elsevier Scientific Publishing; May 1981.
Aquaculture v. 24 (1/2): p. 63-75. ill; May 1981. 29 ref.

Language: English

18 NAL Call. No.: SH380.62.B7V3 1987
Cultivo de camaroes de agua doce [Freshwater prawn farming]., 2a ed..
Valenti, Wagner Cotroni
Sao Paulo, SP : Nobel, 1987; 1987.
82 p. : ill. ; 21 cm. Bibliography: p. 81-82.

Language: Portuguese

Descriptors: Shrimp culture; Brazil; Shrimps

19 NAL Call. No.: SH380.62.E18A75 1989
The culture of cold-tolerant shrimp proceedings of an Asian-U.S. workshop on shrimp culture, Honolulu, Hawaii, U.S.A., October 2-4, 1989.
Main, Kevan L.; Fulks, Wendy
United States, National Oceanic and Atmospheric Administration
Asian-U.S. Workshop on Shrimp Culture 1989 : Honolulu, Hawaii. Honolulu, HI : The Oceanic Institute,; 1990.
xvii, 215 p. : ill., maps ; 23 cm. April 1990. Includes bibliographical references.

Language: English

Descriptors: Shrimp culture; East Asia; Congresses; Shrimp culture; United States; Congresses

20 NAL Call. No.: SK1.S6
Culture studies with Malaysian prawn in unfed brackish water ponds (*Macrobrachium rosenbergii*).
Perry, W.G.; Huner, J.V.; Avault, J.W. Jr
s.l., The Association; 1980.
Proceedings of the ... annual conference Southeastern Association of Fish and Wildlife Agencies (34th): p. 215-222. ill; 1980.
Includes 13 ref.

Language: English

21 NAL Call. No.: QH91.A1I48
Decapsulated brine shrimp cysts--an ideal feed for shrimps in aquaculture (*Artemus salina* fed to *Metapenaeus monoceros*).
Royan, J.P.
New Delhi, Council of Scientific & Industrial Research; June 1980.
Indian journal of marine sciences v. 9 (2): p. 125-127. ill; June 1980. 15 ref.

Language: ENGLISH

22 NAL Call. No.: SH1.C65
The development of Shigueno-style shrimp culture in southern

Japan (*Penaeus japonicus*).
Spotts, D.
Little Rock, Ark. : Briggs Associates, Inc; May/June 1984.
Aquaculture magazine v. 10 (4): p. 26-28, 30-31. ill; May/June
1984. Includes references.

Language: English

Descriptors: Japan

23 NAL Call. No.: S79.E3
Economic analysis of production of freshwater shrimp
(*Macrobrachium*
rosenbergii).
Montanez, J.L.; Dillard, J.G.; Fuller, M.J.
Mississippi State, Miss. : The Station; 1992 Oct.
Bulletin - Mississippi Agricultural and Forestry Experiment
Station (985): 35 p.; 1992 Oct. Includes references.

Language: English

Descriptors: *Macrobrachium rosenbergii*; Economic analysis;
Management; Ponds; Data analysis; Statistical data; Research;
Investment requirements; Operating costs

24 NAL Call. No.: SH1.A66
Economic feasibility of prawn *Macrobrachium* production in South
Carolina, USA (Investment, returns).
Bauer, L.L.; Sandifer, P.A.; Smith, T.I.J.; Jenkins, W.E.
London : Applied Science Publishers; 1983.
Aquacultural engineering v. 2 (3): p. 181-201; 1983. Includes
references.

Language: English

Descriptors: South Carolina

25 NAL Call. No.: HC10.S63
Economic impacts of TEDs on the shrimp production sector.
Griffin, W.L.; Tolman, D.; Oliver, C.
Washington, DC : Taylor & Francis; 1993 Jul.
Society & natural resources v. 6(3): p. 291-308; 1993 Jul.
Includes
references.

Language: English

Descriptors: Gulf of Mexico; Cabt; Shrimps; Turtles; Fishery
management; Economic impact; Simulation models

26 NAL Call. No.: SH1.A6
Effect of different stocking combinations on growth, production
and survival of milkfish (*Chanos chanos* Forskal) and prawn

(*Penaeus monodon* Fabricius) in polyculture in brackishwater ponds.

Eldani, A.; Primavera, J.H.

Amsterdam, Elsevier Scientific Publishing; Apr 1981.

Aquaculture v. 23 (1/4): p. 59-72. ill; Apr 1981. 18 ref.

27

NAL Call. No.: 475 P53

Effect of substrate types on fecundity and nauplii production of ablated *Penaeus monodon* Fabricius (Giant tiger prawn, cultured in Philippine ponds). Pudadera, R.A.; Primavera, J.H.; Borlongan, E. Manila, Philippines, National Science Development Board; Jan/June 1980.

The Philippine journal of science v. 109 (1/2): p. 15-18; Jan/June 1980.

Descriptors: Philippines

28

NAL Call. No.: SH380.62.E2038 1991

EMERGY analysis of shrimp mariculture in Ecuador.

Odum, Howard T.; Arding, Jan E.

University of Rhode Island, Coastal Resources Center

Narragansett : R.I.? : The Center?; 1991.

ix, 114 p. : ill., map ; 28 cm. (Working paper). March, 1991.

Includes bibliographical references.

Language: English

Descriptors: Shrimp culture

29

NAL Call. No.: HD9472.S63M63 1989

Evaluacion tecnica, social y economica del sistema de cultivo artesanal de camaron en la costa de Chiapas [Technical, social and economic evaluation of prawn culture on the coast of Chiapas]., 1. ed..

Acosta C., Juan Ramon

Mexico : Secretaria de Pesca; 1989.

125 p. : ill. ; 28 cm. Includes bibliographical references (p. 125).

Language: Spanish; Spanish

Descriptors: Shrimp industry; Shrimpers (Persons)

30

NAL Call. No.: TD429.W3 1981

Evaluation of a biofilter water reuse system for *Macrobrachium rosenbergii* prawn aquaculture ponds.

Rogers, G.L.; Klemetson, S.L.

Denver, Colo. : AWWA Research Foundation ; Springfield, Va. :

reproduced by NTIS, 1981; 1981.

Proceedings of the Water Reuse Symposium II : held August 23-28, 1981,

Washington, D.C.. v.2, p. 908-923. ill; 1981. Includes references.

Language: English

31 NAL Call. No.: SH299.I5
An experiment on the culture of *Penaeus indicus* (Milne Edwards) in an estuarine pond at Mangalore.
Ramamurthy, S.; Manickaraja, M.
Ernakulam, Cochin; 1977 (pub.1980).
Indian journal of fisheries v. 24 (1/2): p. 210-212. ill., map; 1977
(pub.1980). 3 ref.

Descriptors: India

32 NAL Call. No.: 22.5 F312
Experiments in the larviculture of *Penaeus monodon* (Fabricius) and *Penaeus merguensis* (De Man) (Marine prawn culture in West Malaysia).
Chang, L.W.; Kuan, W.Y.
Kuala Lumpur, Ministry of Agriculture; 1979.
The Malaysian agricultural journal v. 52 (2): p. 187-197. ill; 1979.
Bibliography p. 195-197.

Descriptors: Peninsular Malaysia

33 NAL Call. No.: SH1.F2
Farm operation.
Rome, Italy : Food and Agriculture Organization of the United Nations; 1985. FAO fisheries technical paper v.1): p. 52-74. ill; 1985.

Language: English

Descriptors: Macrobrachium; Shrimp culture; Ponds; Water management; Feeding; Stocking rate; Harvesting

34 NAL Call. No.: SH380.6.B7
Farming freshwater shrimp.
Brick, Robert W.; Davis, James T.
Texas Agricultural Extension Service
College Station, Tex. : Texas Agricultural Extension Service, [1986?]; 1986. 4 p. ; 28 cm. Caption title. People helping people. Bibliography: p. 4.

Language: English

Descriptors: Shrimp culture; Texas

35 NAL Call. No.: SH299.M3
Farming the coastal land at Tuticorin (Fishes and prawns, India).

Marichamy, R.; Rajapackiam, S.
Cochin : Central Marine Fisheries Research Institute; Feb 1983.
Marine Fisheries Information Service. Technical and extension
series (47): p. 13-15. ill; Feb 1983.

Language: English

Descriptors: India

36 NAL Call. No.: SF1.A833 no.2
Feeding prawns for grow-out culture.
Pascual, F. P.
Tigbauan, Iloilo, Philippines : Aquaculture Dept., Southeast
Asian Fisheries Development Center,; 1989.
21 p. : ill. ; 22 cm. (Aquaculture extension pamphlet ; no. 2).
"May 1989"--T.p. verso. Includes bibliographical references (p.
21).

Language: English

37 NAL Call. No.: SH151.F5
Freshwater prawn culture alongside Lake Kariba (*Macrobrachium
rosenbergii*, Zimbabwe).
Kenmuir, D.
London, Arthur J. Heighway; Sept 1981.
Fish farming international v. 8 (3): p. 8-9. ill; Sept 1981.

Language: English

Descriptors: Zimbabwe

38 NAL Call. No.: SH1.F2 no.225 1985
Freshwater prawn farming a manual for the culture of
Macrobrachium rosenbergii.
New, Michael B.,; Singholka, Somsuk
Food and Agriculture Organization of the United Nations
Rome : Food and Agriculture Organization of the United Nations,;
1985. vii, 118 p. : ill. (some col.) ; 30 cm. (FAO fisheries
technical paper ; no. 225). FIRI/T225. Bibliography: p. 77-80.

Language: English

Descriptors: Shrimp culture; Thailand; Shrimps; Thailand;
Macrobrachium rosenbergii

39 NAL Call. No.: SH380.62.U5S52 1981
Freshwater prawn (*Macrobrachium rosenbergii*) production in Hawaii
practices and economics.
Shang, Yung-Cheng,
Hawaii, Aquaculture Development Program
Honolulu : Aquaculture Development Program, Department of Land
and Natural Resources, State of Hawaii : University of Hawaii Sea
Grant College Program,; 1981.

vi, 36 p. : ill. ; 28 cm. (Sea grant miscellaneous report ; UNIHI-SEAGRANT-MR-81-07). February 1981. Includes bibliographical references (p. 24).

Language: English

Descriptors: Shrimp culture; Macrobrachium rosenbergii

40 NAL Call. No.: TRANSL 24093
General aspects of shrimp farming =.
Ceccaldi, H. J.
Washington Language Services Branch, Office of International Fisheries,
National Marine Fisheries Service, NOAA (n.d.)
12 leaves.

Language: ENGLISH; FRENCH

41 NAL Call. No.: SH1.G8
General Mills' experiences in fresh-water shrimp farming in Latin America. Wulff, R.E.
Miami, The Institute; 1981 (pub. 1982).
Proceedings - Gulf and Caribbean Fisheries Institute 1982).
(34th): p. 88-89; 1981 (pub. 1982).

Descriptors: Latin America

42 NAL Call. No.: SH380.6.H39
Geothermal aquaculture : a guide to freshwater prawn culture.
Hayes, Annette; Johnson, William C.
Klamth Falls, Or. Geo-Heat Utilization Center, Oregon Institute of Technology (Springfield, Va. available from N.T.I.S.); 1980.
24 leaves : ill. ; 28 cm. DOE/ET/27256-T2. Bibliography: leaf 24.

Language: English

Descriptors: Shrimps; Geothermal resources

43 NAL Call. No.: SH19.A7
Getting started with prawns: construction, farming & maintenance.
Shklov, J.M.; Fassler, C.R.
S.l. : s.n. :.; 1979.
Aquaculture collection v.]: 2 p. ill; 1979.

Language: English

Descriptors: Hawaii; Prawns; Fish farming; Fishery management; Sites; Fish ponds; Construction; Maintenance

44 NAL Call. No.: SH1.D43 v.10
Giant prawn farming selected papers presented at "Giant Prawn

1980", an international conference on freshwater prawn farming held in Bangkok, Thailand, June 15-21, 1980.

New, Michael B.

Thailand, Krom Pramong

Amsterdam ; New York : Elsevier Scientific Pub. Co. ; New York : Distributors for U.S. and Canada, Elsevier Science Pub. Co.,; 1982. xii, 532 p. : ill., maps ; 25 cm.. (Developments in aquaculture and fisheries science ; 10). "Giant Prawn 1980 was hosted by the Department of Fisheries, Ministry of Agriculture and Cooperatives, Royal Thai Government"--P. v. Includes bibliographies and index.

Language: English

Descriptors: Macrobrachium; Congresses; Shrimp culture; Congresses

45

NAL Call. No.: 157.5 B87

Gulf of Mexico shrimp production: a food web hypothesis

(Fisheries, Texas). Flint, R.W.; Rabalais, N.N.

Seattle, Wash., Scientific Publications Office, National Marine Fisheries Service, NOAA; Oct 1981.

Fishery bulletin - United States, National Marine Fisheries Service v. 79 (4): p. 737-748. ill., map; Oct 1981. Includes ref.

Language: English

Descriptors: Texas

46

NAL Call. No.: S51.E2

Impact of regional shrimp production, consumer income, and imports on ex-vessel prices.

Houston, J.E.; Nieto, A.

Athens, Ga. : The Stations; 1988 Nov.

Research bulletin - University of Georgia, Agricultural Experiment Stations (377): 30 p. maps; 1988 Nov. Includes references.

Language: English

Descriptors: South eastern states of U.S.A.; South central states of U.S.A.; North eastern states of U.S.A.; Great basin and pacific slope; Shrimps; Fish production; Coastal fisheries; Species; Trawlers; Economic situation; Imports; Economic impact; Wholesale prices

47

NAL Call. No.: QL639.25.L3

Improvements of penaeid shrimp larval production.

Lawrence, Addison L.; Samocha, Tzachi

United States-Israel Binational Agricultural Research and Development Fund Bet Dagan, Israel : BARD,; 1987.

82 p. ; 28 cm. Final report. Project no. US-553-82.

Bibliography: p. 69-79.

Language: English

Descriptors: Shrimps; Larvae; Penaeidae; Fishes; Larvae

48 NAL Call. No.: 410 H992
In vitro culture of *Macrobrachium (nobilii)* eggs.
Balasundaram, C.; Pandian, T.J.
The Hague, W. Junk; Feb 13, 1981.
Hydrobiologia v. 77 (13): p. 203-208. ill; Feb 13, 1981.
Presented at the Second International Symposium on Invertebrate
Reproduction, Davis,
California, 1979. 18 ref.

49 NAL Call. No.: SH151.F5
India turns to prawn (and shrimp) culture.
Dwivedi, S.N.; Iftekhar, M.
London, Arthur J. Heighway; Dec 1980.
Fish farming international v. 7 (4): p. 8-9. ill; Dec 1980.

Descriptors: India

50 NAL Call. No.: SH299.I5
Induced maturation and spawning of Indian penaeid prawns (for
coastal aquaculture).
Muthu, M.S.; Laxminarayana, A.
Ernakulam, Cochin; 1977 (pub.1980).
Indian journal of fisheries v. 24 (1/2): p. 172-180. ill; 1977
(pub.1980). 13 ref.

Descriptors: India

51 NAL Call. No.: T174.3.J68
Is technology transfer to subsistence farmers doubling nothing?.
Jedlicka, A.D.; Rappaport, A.
Indianapolis, Ind. : Technology Transfer Society; 1990.
The journal of technology transfer v. 15 (4): p. 45-48; 1990.

Language: English

Descriptors: Mexico; Shrimps; Technology transfer; Subsistence
farming

52 NAL Call. No.: SH295.S682 no.8
Macrobrachium culture.
Brahmanonda, P.
Thailand, Bangkok : The Secretariat, Southeast Asian Fisheries
Development Center,; 1984.
17 p. : ill. ; 21 cm.. (SAFIS manual ; no. 8). May 1984.

Language: English

53

NAL Call. No.: SH222.S6S6 no.79

Mail survey of the U.S. seafood wholesale market channel with an emphasis on whole farmed marine shrimp.

Rhodes, Raymond J.; Grant, Valvy N.

South Carolina, Economic Analysis and Seafood Marketing Program
Charleston, S.C. : Economic Analysis and Seafood Marketing
Program, Office of Fisheries Management, Division of Marine
Resources, S.C. Wildlife and Marine Resources Department,; 1992;
W6463M 3T32 no. 79.

vi, 68 p. : ill. ; 28 cm. (Technical report (South Carolina.
Marine Resources Division) ; no. 79.). November, 1992. Includes
bibliographical references (p. 30).

Language: English

Descriptors: Shrimp industry; Mail surveys; Wholesale trade

54

NAL Call. No.: 290.9 AM32P

Managing algae and suspended solids in shrimp-oyster joint production.

Robichaux, D.M.; Wang, J.K.

St. Joseph, Mich. : The Society; 1989.

Paper - American Society of Agricultural Engineers (89-7525): 12
p.; 1989. Paper presented at the "1989 International Winter
Meeting sponsored by The American Society of Agricultural
Engineers," December 12-15, 1989, New
Orleans, Louisiana. Includes references.

Language: English

Descriptors: Shrimps; Oysters; Nitrogen; Equipment

55

NAL Call. No.: SH317.A8

Mariculture expanding in Hong Kong (Prawns, groupers).

Rankin, P.S.

Canberra : Australian Government Publishing Service; May 1983.

Australian fisheries v. 42 (5): p. 18, 20. ill; May 1983.

Includes references.

Language: English

Descriptors: Hong Kong

56

NAL Call. No.: SH151.F5

Marine farming in China (Prawn, scallop, mullet, halibut).

Thain, B.

London, Arthur J. Heighway; Sept 1981.

Fish farming international v. 8 (3): p. 20, 22. ill; Sept 1981.

Language: English

Descriptors: China

57

NAL Call. No.: SH1.D43 v.23

Marine shrimp culture principles and practices.

Fast, Arlo Wade; Lester, L. J.

Amsterdam ; New York : Elsevier,; 1992.

xv, 862 p. : ill., maps ; 25 cm. (Developments in aquaculture and fisheries science ; 23). Includes bibliographical references and index.

Language: English

Descriptors: Shrimp culture

58

NAL Call. No.: HD9472.S62M375

Marine shrimp farming a guide to feasibility study preparation. International Finance Corporation, Aquafood Business Associates (Charleston, S.C.)

Charleston, S.C., USA (P.O. Box 16190, Charleston 29412) : The Associates,; 1987.

vi, 90 leaves : ill. ; 28 cm. April 1987.

Language: English

Descriptors: Shrimp industry; Shrimp culture; Costs

59

NAL Call. No.: S322.S55S55

A method on the production of *Macrobrachium rosenbergii* (de Man) (Udang galah), juveniles in Singapore.

Tay, S.H.; Ng, C.K.

Singapore, Primary Production Department; July 1980.

Singapore journal of primary industries v. 8 (2): p. 111-118. ill; July 1980. 5 ref.

Descriptors: Singapore

60

NAL Call. No.: HD1.A3

Modeling prawn production management system: a dynamic Markov decision approach.

Leung, P.S.; Shang, Y.C.

Essex : Elsevier Applied Science Publishers; 1989.

Agricultural systems v. 29 (1): p. 5-20; 1989. Includes references.

Language: English

Descriptors: Hawaii; Prawns; Fishery management; Marketing techniques; Markov processes; Computer software; Decision making; Freshwater biology; Market prices; Cost analysis; Econometric models; Dynamic models; Dynamic programming

61

NAL Call. No.: SH1.C65

Muddy flavor in pond-cultured marine shrimp.

Lovell, T.

Little Rock, Ark. : Briggs Associates, Inc; Jan/Feb 1984.
Aquaculture magazine v. 11,i.e.10 (2): p. 34-36; Jan/Feb 1984.

Language: English

62 NAL Call. No.: TP368.F63
New developments in aquaculture (Shrimp, salmon).
Mason, J.F.
Radnor, Pa., Chilton; July 1980.
Food engineering international v. 5 (7): p. 36-37. ill; July
1980.

Descriptors: Costa Rica; Norway

63 NAL Call. No.: GC1000.M34
New machine may breathe new life into Hawaii's prawn farms.
Rappa, P.
Honolulu, Hawaii : University of Hawaii Sea Grant College
Program; June 1984. Makai v. 6 (6): p. 2-3, 5. ill; June 1984.

Language: English

Descriptors: Hawaii

64 NAL Call. No.: 414.8 B21
Observations on pond growth of *Macrobrachium rosenbergii* at the
Ginosar Fish Culture Station (Israel) in 1978 and 1979.
Arieli, Y.; Sarig, S.; Bejerano, Y.
Nir-David, Joint Agricultural Extension Centre; June 1981.
Bamidgeh; Bulletin of Fish Culture in Israel v. 33 (2): p. 57-68.
ill; June 1981. 1 ref.

Language: English

Descriptors: Israel

65 NAL Call. No.: SH307.M32F5 no.42
Observations on the use of some non-algal feeds in the culture of
protozoae larvae of penaeid prawn.
Choo, P. S.
Kuala Lumpur : Dept. of Fisheries, Ministry of Agriculture,
Malaysia,; 1986. v, 5 p., [1] ; 25 cm. (Buletin perikanan ; bil.
42). Includes bibliographical references (p. [6]).

Language: English

Descriptors: Shrimps

66 NAL Call. No.: 280.8 J822
Optimal scheduling in shrimp mariculture: a stochastic growing
inventory problem.
Hochman, E.; Leung, P.S.; Rowland, L.W.; Wyban, J.A.

Ames, Iowa : American Agricultural Economics Association; 1990
May.
American journal of agricultural economics v. 72 (2): p. 382-393;
1990 May. Includes references.

Language: English

Descriptors: Hawaii; Shrimps; Optimization; Scheduling; Technical
progress; Stochastic models; Profitability; Harvest date;
Stocking rate

Abstract: Appropriate management tools are required for the
successful introduction of advanced intensive technology in
shrimp mariculture. This paper presents a stochastic dynamic
decision model for evaluating the potential of the round pond
technology practiced at the Oceanic Institute in Hawaii. The
model provides the optimal stocking and harvesting schedules for
a shrimp pond using a set of intra- and interseasonal decision
rules. These rules are expressed as cutoff revenues when both
prices and weights are considered random and as cutoff prices and
cutoff weights when only prices or weights are considered random.
The pond is not harvested if the current realized revenue is less
than the cutoff revenue. The model simulates optimal scheduling
using a set of 1986 shrimp prices for the case of random prices.
Net profits are approximately doubled using the optimal schedules
compared to conventional fixed scheduling schemes. The model also
evaluates the economics of controlled environment.

67 NAL Call. No.: SH1.A66
Opto-electronic counters for postlarvae and juveniles of
Macrobrachium rosenbergii (de Man); design and tests of type A
counter (Prawn farming). West, D.C.; Thompson, R.K.; Huron, J.M.
London : Applied Science Publishers; 1983.
Aquacultural engineering v. 2 (2): p. 119-133. ill; 1983.
Includes references.

Language: English

68 NAL Call. No.: HD9469.S209
The Outlook for salmon aquaculture products in world markets..
The Outlook for salmon and shrimp aquaculture products in world
markets
United States, National Marine Fisheries Service
Juneau, Alaska : Senate Advisory Council, Alaska State
Legislature, Pouch V,; 1984.
80, 9 p. : ill. ; 28 cm. Title on added t.p.: The Outlook for
salmon and shrimp aquaculture products in world markets. Study
prepared for the Assistant Administrator for Fishers by the
Aquaculture Project Group.
November 1984.

Language: English; English

Descriptors: Fishery products; Marketing; Salmon industry;
Salmon; Shrimps; Aquaculture

69 NAL Call. No.: 100 L939
An overview of prawn culture research in Louisiana: 1979-85.
Cange, S.W.; Lamon, M.S.; Avault, J.W. Jr; Perry, W.G.
Baton Rouge, La. : The Station; 1986.
Louisiana agriculture - Louisiana Agricultural Experiment Station
v. 29 (4): p. 12-14. ill; 1986.

Language: English

Descriptors: Louisiana; Prawns; Macrobrachium; Shellfish culture

70 NAL Call. No.: 290.9 AM32P
Oxygen transport in shrimp culture ponds.
Garcia, A. III; Brune, D.E.
St. Joseph, Mich. : The Society; 1989.
Paper - American Society of Agricultural Engineers (89-7532): 17
p.; 1989. Paper presented at the "1989 International Winter
Meeting sponsored by The American Society of Agricultural
Engineers," December 12-15, 1989, New
Orleans, Louisiana. Includes references.

Language: English

Descriptors: Shrimps; Fish culture; Oxygen transport

71 NAL Call. No.: SH216.4.B392 no.60
Pen culture of shrimp in Chilaw, Sri Lanka.
Reyntjens, Dirk
Madras, India : Bay of Bengal Programme, [1989?]; 1989.
iii, 21 p. : ill. ; 30 cm. (BOBP/WP ; 60). April 1989.
GCP/RAS/118/MUL. Small-Scale Fisherfolk Communities. Executing
Agency : Food and Agriculture Organization of the United Nations.
Funding Agencies : Swedish International Development Authority ;
Danish International Development Agency. Includes
bibliographical references.

Language: English

72 NAL Call. No.: SH216.4.B392 no.35
Pen culture of shrimp in the backwaters of Killai, Tamil Nadu.
Karim, M.
Madras, India : Bay of Bengal Programme, Development of Small-
Scale
Fisheries,; 1985.
iv, 43, [1] p. : ill., maps ; 30 cm. (BOBP/WP ; no. 35).
Bibliography: p. 43-[44].

Language: English

73 NAL Call. No.: SH1.F59
Penaeid shrimp culture in tropical developing countries.

Pedini, M.
Rome, Food and Agriculture Organization of the United Nations;
Mar 1981. FAO fisheries circular (732): 14 p.; Mar 1981. 35 ref.

Descriptors: Tropics

74 NAL Call. No.: S79.E34 no.94
Pond culture of freshwater shrimp, 1985.. Shrimp, 1985
D'Abramo, Louis R.
Mississippi Agricultural and Forestry Experiment Station
Mississippi State : Mississippi Agricultural & Forestry
Experiment Station,; 1986; 422.9-IB94.
5 p. : ill. ; 28 cm. (Information bulletin / Mississippi
Agricultural and Forestry Experiment Station ; 94). September
1986.

Language: English; English

Descriptors: Shrimp culture; Mississippi; Ponds; Mississippi

75 NAL Call. No.: 1.98 AG84
Pond-raised shrimp thrive on sugarcane.
Wood, M.
Washington, D.C. : The Administration; 1989 Feb.
Agricultural research - U.S. Department of Agriculture,
Agricultural Research Service v. 37 (2): p. 9. ill; 1989 Feb.

Language: English

Descriptors: Hawaii; Penaeus; Fish feeding; Bagasse; Shrimp
culture; Feed formulation

76 NAL Call. No.: SH327.5.A35 1982
Practical guide book on warm water fish and shrimp culture in
Sind., 1st ed.. Ahmed, Moinuddin
Karachi Saad Publications; 1982.
53 p., (1) leaf of plates : ill., maps ; 24 cm. Bibliography: p.
47-49.

Language: English

Descriptors: Fish-culture; Pakistan; Fisheries; Shrimp culture;
Pakistan

77 NAL Call. No.: SH380.6.V5
Practical manual for semi-intensive commercial production of
marine shrimp. Villalon, Jose R.
Texas A & M University, Sea Grant College Program
Galveston, Tex. : Texas Sea Grant Program,; 1991.
vii, 104 p. : ill. ; 28 cm. (TAMU-SG ; 91-501). April 1991.
Includes bibliographical references (p. 103).

Language: English

Descriptors: Shrimp culture

78 NAL Call. No.: SH299.S4
Prawn culture in Uttara Kannada, Karnataka: an appraisal of the present status and future prospects.
Nagaraj, M.; Neelakantan, B.
Cochin, India : Seafood Exporters Association of India; Jan 1982.
Seafood export journal v. 14 (1): p. 13-16; Jan 1982.

Language: English

Descriptors: Karnataka; India

79 NAL Call. No.: S19.F37
Prawn culture opens new vistas in India coastal areas.
Mazumdar, T.C.
New Delhi, India, Farmers' Parliamentary Forum; Jan 1982.
Farmer and parliament v. 17 (1): p. 8; Jan 1982.

Language: English

Descriptors: India

80 NAL Call. No.: 464.8 SP2
Prawn farming set for expansion.
Hjul, P.
Foston : J.G.R. Stevens; 1987.
Span : progress in agriculture v. 30 (1): p. 14-16. ill; 1987.

Language: English

Descriptors: Prawns; Fish farming; Intensification

81 NAL Call. No.: 10 OU8
Prawn farming today: opportunities, techniques, and developments.
Wickins, J.F.
London : Imperial Chemical Industries; 1986.
Outlook on agriculture v. 15 (2): p. 52-60. ill; 1986. Includes 32 references.

Language: English

Descriptors: Ponds; Prawns; Aquaculture; Farming; Production; Farms; Research; Culture methods; Agricultural development; Techniques

82 NAL Call. No.: SH380.62.A8P72 1987
Prawn Farming Workshop North Coast Agricultural Institute, Wollongbar, 11th December 1987.
New South Wales, Dept. of Agriculture

Prawn Farming Workshop 1987 : North Coast Agricultural Institute.
New South Wales : Dept. of Agriculture, [1988?]; 1988.
75 p. : ill., maps ; 30 cm. Cover title. Agdex 486. Includes
bibliographies.

Language: English

Descriptors: Shrimp culture; Australia; New South Wales;
Congresses; Shrimps; Australia; New South Wales; Congresses;
Aquaculture; Australia; New South Wales; Congresses

83 NAL Call. No.: SH380.62.P6N3 1984
Prawn industry development in the Philippines proceedings of the
National Prawn Industry Development Workshop, 10-13 April 1984,
Iloilo City, Philippines.
Southeast Asian Fisheries Development Center, Aquaculture Dept,
Philippines, Bureau of Fisheries and Aquatic Resources,
Philippine Federation of
Aquaculturists
National Prawn Industry Development Workshop 1984 : Iloilo,
Philippines. Iloilo City, Philippines : The Center,; 1984.
100 p. : ill. ; 23 cm. Includes bibliographical references.

Language: English

Descriptors: Shrimp fisheries; Shrimp industry

84 NAL Call. No.: SH1.C65
Prawn production in catfish ponds: proposed strategy and test
trials.
Cohen, D.
Little Rock, Ark. : Briggs Associates, Inc; Jan/Feb 1984.
Aquaculture magazine v. 11,i.e.10 (2): p. 14, 16-18, 20. ill;
Jan/Feb 1984.

Language: English

85 NAL Call. No.: SH299.S4
Prawn seed requirement and its production for farming in India.
Ganapathy, R.
Cochin, India : Seafood Exporters Association of India; Dec 1983.
Seafood export journal v. 15 (12): p. 5-12; Dec 1983.

Language: English

Descriptors: India

86 NAL Call. No.: HD1401.F32 FP91-3
A preliminary comparison of semi-intensive, intensive, and very-
intensive production strategies for various sized shrimp farms in
Texas.
Lambregts, Johannes Adrianus; Thacker, Sayra G.; Griffin, Wade L.
Texas A & M University, Dept. of Agricultural Economics

College Station, Tex. : Dept. of Agricultural Economics, Texas A&M University,; 1991; Z TA225.7 F119pas no.91-3. 33 leaves, [5] leaves of plates : ill. ; 30 cm. (Faculty paper series ; FP 91-3). Includes bibliographical references (leaves 18-19).

Language: English

Descriptors: Shrimp culture

87 NAL Call. No.: 100 M69MR
Preliminary economic evaluation of freshwater shrimp production in Mississippi.
Clardy, G.N.; Fuller, M.J.; Waldrop, J.E.
Mississippi State, Miss. : The Station; 1985 Oct.
Agricultural economics research report - Mississippi Agricultural and Forestry Experiment Station (159): 46 p.; 1985 Oct. Includes 15 references.

Language: English

Descriptors: Mississippi; Shrimps; Production; Economic evaluation; Costs; Break-even point; Returns

88 NAL Call. No.: 290.9 AM32T
Preliminary investigation of an oyster-shrimp joint production system.
Wang, J.K.; Lam, C.Y.; Jakob, G.S.
St. Joseph, Mich. : American Society of Agricultural Engineers; 1990 May. Transactions of the ASAE v. 33 (3): p. 975-980; 1990 May. Includes references.

Language: English

Descriptors: Hawaii; Oyster culture; Shrimp culture; Aquaculture; Engineering; Water quality; Waste water; Effluents

89 NAL Call. No.: SH299.S4
Principles of scientific prawn farming.
Verghese, P.U.
Cochin, India : Seafood Exporters Association of India; Oct 1983. Seafood export journal v. 15 (10): p. 21-23; Oct 1983.

Language: English

90 NAL Call. No.: SH380.62.J3S52
Problems in prawn culture =.. Kuruma-ebi (*Penaeus japonicus* Bate) no yoshoku gijitsu ni kansuru kakumondai
Shigeno, Kunihiko
United States, National Marine Fisheries Service
New Delhi Amerind Pub. Co. Springfield, Va. available from National Technical Information Service; 1978.

103 p. : ill. ; 25 cm.. (Aquaculture series no. 19).

Language: ENGLISH

Descriptors: Shrimp culture; Japan

91 NAL Call. No.: SH380.62.C27S5 1984
Proceedings of Shrimp Aquaculture in the Caribbean Basin:
Prospects and
Constraints.. Shrimp aquaculture
Vernberg, F. John, Shrimp Aquaculture in the Caribbean Basin:
Prospects and Constraints (1984 : Puerto Plata, Dominican
Republic); Belle W. Baruch Institute for Marine
Biology and Coastal Research, Universidad Catolica Madre y
Maestra
Columbia, S.C. : Belle Baruch Institute for Marine Biology and
Coastal Research, University of South Carolina,; 1985.
xiii, 443 p. : ill. ; 24 cm. A symposium jointly sponsored by La
Universidad Catolica Madre y Maestra and the Belle W. Baruch
Institute for Marine Biology and Coastal Research, University of
South Carolina. Spine title: Shrimp aquaculture. Includes
bibliographies.

Language: English; Spanish

Descriptors: Shrimp culture; Caribbean area; Congresses; Shrimp
fisheries; Caribbean area; Congresses

92 NAL Call. No.: SH380.62.I45N3 1978
Proceedings of the First National Symposium on Shrimp Farming,
Bombay 16 - 18 August 1978.
National Symposium on Shrimp Farming (1st 1978 Bombay).; Marine
Products Export Development Authority.
Cochin, India Marine Products Export Development Authority; 1980.
vi, 269 p. : ill. ; 25 cm. Organised by the Marine Products
Export
Development Authority, Cochin, in association with the Central
Institute of Fisheries Education, Bombay, the Central Marine
Fisheries Research Institute, Cochin and the Central Inland
Fisheries Research Institute, Barrackpore. Includes
bibliographies.

Language: English

Descriptors: Shrimp fisheries; India; Congresses; Shrimp culture;
India; Congresses

93 NAL Call. No.: SH380.6.S63 1992
Proceedings of the Special Session on Shrimp Farming papers
presented at AQ92, May 22-25, 1992, Orlando, Florida.
Wyban, George; Chamberlain, George W.; Villalon, Jose
World Aquaculture Society, Ralston Purina International
Special Session on Shrimp Farming 1992 : Orlando, Fla.
Baton Rouge, LA : World Aquaculture Society with support from

Ralston Purina International,; 1992.
xv, 301 p. : ill., maps ; 28 cm. Includes bibliographical
references.

Language: English

Descriptors: Shrimp culture; Shrimp industry

94 NAL Call. No.: 100 AL1H
Producing freshwater shrimp in ponds may be option on Alabama
farms.

Rouse, D.B.

Auburn, Ala. : The Station; 1987.

Highlights of agricultural research - Alabama Agricultural
Experiment Station v. 34 (1): p. 4. ill; 1987.

Language: English

Descriptors: Alabama; Shrimps; Fish farming; Fish production

95 NAL Call. No.: SH380.62.T5N4

Production des crevettes d'eau douce manual d'elevage de
Macrobrachium

rosenbergii [Freshwater prawn farming].

New, Michael B.; Singholka, Somsuk

Food and Agriculture Organization of the United Nations

Rome : Organisation des nations unies pour l'alimentation et
l'agriculture,; 1985.

vii, 132 p. : ill (some col.) ; 30 cm. (FAO fisheries technical
paper. French ; 225.). FIRI/T225. Bibliography: p. 84-88.

Language: French

Descriptors: Shrimp culture; Thailand; Shrimps; Thailand;
Macrobrachium rosenbergii

96 NAL Call. No.: 275.29 M68EXT

Production of freshwater shrimp.

Wellborn, T.L. Jr

State College, Miss. : The Service; 1986.

Publication - Cooperative Extension Service, Mississippi State
University (1511): 8 p. ill; 1986. Includes references.

Language: English

Descriptors: Mississippi; Macrobrachium; Shrimp culture; Fresh
water; Water composition and quality; Feeding; Diseases;
Harvesting; Marketing

97 NAL Call. No.: SH1.A6

Production of second generation penaeid shrimp, *Penaeus
stylirostris*, from Mexico.

Brown, A. Jr; Tave, D.; Williams, T.D.; Duronslet, M.J.

Amsterdam : Elsevier Scientific Publishing; 1984 Sep01.
Aquaculture v. 41 (1): p. 81-84; 1984 Sep01. Includes
references.

Language: English

Descriptors: Mexico; Penaeus; Shrimp culture; Spawning

98 NAL Call. No.: SH1.A6
The production of the freshwater prawn *Macrobrachium rosenbergii*
in Israel. III. Density effect of all-male *Tilapia* hybrids on
prawn yield characters in polyculture.
Cohen, D.; Ra'anani, Z.
Amsterdam : Elsevier Scientific Publishing; Sept 1983.
Aquaculture v. 35 (1): p. 57-71; Sept 1983. Includes references.

Language: English

Descriptors: Israel

99 NAL Call. No.: SH1.A6
Progress in selecting an appropriate culture system for a small-
scale *Macrobrachium rosenbergii* (De Man) hatchery.
Uar, O.B.
Amsterdam : Elsevier Scientific Publishing; Nov 1983.
Aquaculture v. 35 (3): p. 267-272. ill; Nov 1983. Includes
references.

Language: English

100 NAL Call. No.: S612.2.A38
Prospects for penaeid shrimp culture in arid lands.
Farmer, A.S.D.
New York : Academic Press, 1981; 1981.
Advances in food producing systems for arid and semi-arid lands /
edited by Jamal T. Manassah, Ernest J. Briskey. p. 859-897. ill.,
maps; 1981.
Literature review. Bibliography p. 894-897.

Descriptors: Arid Zone

101 NAL Call. No.: SH1.R5
Prova di accrescimento di *Penaeus japonicus* Bate (Decapoda,
Natantia) in un impianto ittico del meridione [Experimental
culture of the Kuruma shrimp (*Penaeus japonicus* Bate) in a fish
farm located in southern Italy].
Lumare, F.
Treviso : Associazione piscicoltori italiana; Apr/June 1982.
Rivista italiana di piscicoltura e ittiopatologia; Italian review
of fish culture and ichthyologic pathology v. 17 (2): p. 73-74,
77-80, 83. maps; Apr/June 1982. Includes references.

Language: Italian; English

Descriptors: Italy

102 NAL Call. No.: SH299.M3
Proven technology. 4. Hatchery technology for mass production of marine prawn seeds.
Cochin : Central Marine Fisheries Research Institute; Feb 1983.
Marine Fisheries Information Service. Technical and extension series (47): p. 17-18. ill; Feb 1983.

Language: English

103 NAL Call. No.: SH299.M3
Proven technology--induced maturation of prawns for production of spawners for hatcheries (*Penaeus indicus*).
Cochin : Central Marine Fisheries Research Institute; Oct 1982.
Marine Fisheries Information Service. Technical and extension series (43): p. 25-26. ill; Oct 1982.

Language: English

104 NAL Call. No.: SF1.A833 no.1
Recent developments in prawn pond culture.
Apud, F. D.
Tigbauan, Iloilo, Philippines : Aquaculture Dept., Southeast Asian Fisheries Development Center,; 1989.
23 p. ; 22 cm. (Aquaculture extension pamphlet ; no. 1). "May 1989"--T.p. verso.

Language: English

105 NAL Call. No.: 281.9 M692
A records program for catfish and shrimp production; financial data and management decisions for IBM PC and compatible microcomputers.
Killcreas, W.; Ishee, S.; Wilkes, N.; McWilliams, D.; Leng, J.; Wolfe, W.; Waldrop, J.
Mississippi State : The Station; 1985 Sep.
Agricultural economics technical publication - Mississippi Agricultural and Forestry Experiment Station (55): 80 p.; 1985 Sep. Includes 3 references.

Language: English

Descriptors: Mississippi; Shrimps; Production; Finance; Management; Microcomputers; Computer software

106 NAL Call. No.: S542.B7E43
Rendimento economico da criacao de camaroes marinhos comparado com o de outras atividades [Economic yield from marine shrimp (*Penaeus brasiliensis* and *penaeus paulensis*) production as compared with other activities (Rio de

Daneiro State, Brazil).].
Fernandes, S.G.; Cunha, H.; Thomas, J.E.
Niteroi, Brazil, PESAGRO-RIO; Nov 1980.
Comunicado tecnico - Empresa de Pesquisa Agropecuaria do Estado
do Rio de Janeiro. 10 0 Comun Tec Empresa Pesqui Agropecu Estado
Rio de J (64): 5 p.; Nov 1980.

Descriptors: Brazil

107 NAL Call. No.: 514 B775
Reproductive cycle and female breeding dress in the freshwater
prawn *Macrobrachium australiense* Holthuis, 1950 (Crustacea:
Decapoda: Palaemonidae) (Possible aquaculture species,
Australia).
Lee, C.L.; Fielder, D.R.
N.p. : The Society; May 31, 1982.
Proceedings of the Royal Society of Queensland v. 93: p. 71-78.
ill; May 31, 1982. Includes references.

Language: English

Descriptors: Freshwater; Australia

108 NAL Call. No.: SH1.A6
The role of formula feeds and natural productivity in culture of
the prawn, *Macrobrachium rosenbergii*.
Fair, P.H.; Fortner, A.R.
Amsterdam, Elsevier Scientific Publishing; June 1981.
Aquaculture v. 24 (3/4): p. 233-243; June 1981. 22 ref.

Language: English

109 NAL Call. No.: QR115.I57
Salmonella and *Vibrio cholerae* in brackishwater cultured tropical
prawns. Reilly, P.J.A.; Twiddy, D.R.
Amsterdam : Elsevier Science Publishers, B.V.; 1992 Aug.
International journal of food microbiology v. 16 (4): p. 293-301;
1992 Aug. Includes references.

Language: English

Descriptors: Salmonella; Vibrio; Prawns

Abstract: The occurrence of *Salmonella* and *Vibrio cholerae* in
brackishwater ponds was monitored over a 2-year period in one of
the major prawn exporting countries in Southeast Asia. The
principal production areas were identified and regular samples
taken for *Salmonella* and *V. cholerae* analysis. Results
demonstrated that brackishwater ponds and cultured prawns were
inherently contaminated with both bacterial pathogens. *Salmonella*
spp. were present in 16.0% of prawns and 22.1% of mud/water
samples from ponds; and *V. cholerae* present in 1.5% of prawns and
3.1% of mud/water samples. Culturing by intensive methods tended
to favour contamination by these pathogens, which is most likely

due to the accumulation of waste and increase in the volume of sediments in ponds. Typical environmental factors such as water temperature, pH, and salinity were all favourable for growth of microorganisms. The incidence of the pathogens increased during the wet season and was marginally higher when ponds were located close to urban areas. *S. weltevreden* was identified as the principal serotype found in ponds, and to a lesser extent *S. anatum* (11%) *S. wandsworth* (8%) and *S. potsdam* (8%). The *V. cholerae* belonged to the non-O1 serogroup.

110 NAL Call. No.: SH295.S682 no.9
Selection of marine shrimp for culture.
Bangkok, Thailand : The Secretariat, Southeast Asian Fisheries
Development Center,; 1984.
18 p. : ill. ; 21 cm.. (SAFIS manual ; no. 9). June 1984.

Language: English

111
Sensory characteristics of oysters, clams, and cultured and wild
shrimp. Edmunds, William J.; Lillard, D.A.
Chicago, Institute of Food Technologists; Mar/Apr 1979.
Journal of food science v. 44 (2): p. 368-373. charts; Mar/Apr
1979. 25 ref.

Language: ENGLISH

Descriptors: Seafood; Sensory appraisal; Taste panels; Clams;
Shrimp; Shellfish; Vocabulary; Texture; Odor

Abstract: An 18 member panel identified 22 descriptive terms for
the sensory evaluation of clams and shrimp, and 29 terms for
oysters. The descriptive vocabulary that was developed for shrimp
was used to determine sensory differences between wild and
cultured shrimp and the effect of size on the sensory properties
of shrimp. The cultured shrimp were judged as good or better than
wild shrimp. Large shrimp were scored as having a better texture
than small shrimp. The descriptive terms are listed.

112 NAL Call. No.: FICHE S-72
Shared resources aquatic production systems.
Wang, J.
St. Joseph, Mich. : The Society; 1988.
American Society of Agricultural Engineers (Microfiche
collection) (fiche no. 88-5001): 25 p.; 1988. Paper presented at
the 1988 Summer Meeting of the American Society of Agricultural
Engineers. Available for purchase from: The American Society of
Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph,
Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for
information and prices. Includes references.

Language: English

Descriptors: Hawaii; Shrimp culture; Oyster culture; Production

economics; Limiting factors; Production costs

113

NAL Call. No.: 389.8 F7382

Shrimp aquaculture in Mexico.

Miller, M.

Stanford, Califi. : Food Research Institute, Stanford University; 1990.

Food Research Institute studies v. 22 (1): p. 83-107; 1990.

Includes references.

Language: English

Descriptors: Mexico; Shrimps; Fish industry; Development policy; Aquaculture; Profitability; Cost benefit analysis; Legislation; Investment; Returns; Peasant farming; Cooperative farming; Land ownership

Abstract: The shrimping industry has traditionally been one of Mexico's most important sectors, however, its importance in the nation's economy and in the world market has declined over the past 15 years. The internal rates of return on shrimp aquaculture projects in Mexico are shown to be significantly positive for both extensive and semi-intensive technologies. The Mexican government is betting on the private sector to develop a shrimp-farming industry. The lesson being learned in Mexico is similar to that being learned by other economies in which state intervention has been ubiquitous: there is no quick fix to the tensions between a well articulated social policy and the need for a more dynamic, albeit self-centered, private sector.

114

NAL Call. No.: SH380.62.U6I94 1993

Shrimp capture and culture fisheries of the United States.

Iversen, Edwin S.; Allen, Donald M. 1926-; Higman, James B.

Oxford ; Cambridge, MA : Fishing News Books, ; 1993.

viii, 247 p. : ill., maps ; 25 cm. Includes bibliographical references and index.

Language: English

Descriptors: Shrimp fisheries; Shrimp culture

115

NAL Call. No.: SH295.S682 no.19

Shrimp culture.

Varikul, Vanich

Bangkok, Thailand : The Secretariat, Southeast Asian Fisheries Development Center, ; 1985.

35 p. : ill. ; 21 cm.. (SAFIS manual ; no. 19). March 1985.

Language: English

116

NAL Call. No.: SH380.62.N7S58 1991

Shrimp culture in North America and the Caribbean.

Sandifer, Paul A.

Baton Rouge, LA : World Aquaculture Society,; 1991.
vi, 235 p. : ill. ; 24 cm. (Advances in world aquaculture ; v.
4). Includes bibliographical references.

Language: English; English

Descriptors: Shrimp culture

117 NAL Call. No.: HG2051.I4A3
Shrimp culture--the need of the hour (Brackish waters, fish
culture, India). New Delhi : S.R. Suneja; July/Sept 1983.
Agricultural banker v. 6 (3): p. 9-10; July/Sept 1983.

Language: English

Descriptors: India

118 NAL Call. No.: SH1.G8
Shrimp farming: a business today; profits and problems (Ecuador).
Shayne, P.
Miami, The Institute; 1981 (pub. 1982).
Proceedings - Gulf and Caribbean Fisheries Institute 1982).
(34th): p. 90-94; 1981 (pub. 1982).

Descriptors: Ecuador

119 NAL Call. No.: SH380.62.U5S57
Shrimp farming in the United States.. Aquaculture digest's
Shrimp farming in the United States
San Diego, CA. : Aquaculture Digest,; 1988.
24 p. : ill. ; 22 cm. Cover title. Cover title: The Aquaculture
digest's Shrimp farming in the United States.

Language: English

Descriptors: Shrimp culture

120 NAL Call. No.: SH380.62.U6F57 1989
Shrimp farming in the United States bonanza of black hole, Fish
Farming Expo-III, New Orleans, Louisiana, Shrimp Farming Seminar,
December 9, 1989, 8:00 to 10:00 A.M.
Fish Farming Expo 3rd : 1989 : New Orleans, La, Shrimp Farming
Seminar 1989 : New Orleans, La.
San Diego, CA : Aquaculture Digest, World shrimp farming?, 1989?;
1989. 9 p. : maps, portraits ; 22 cm. Cover title. Running
title: Shrimp farming in the USA, Fish Farming Expo-III,
December, 1989.

Language: English

Descriptors: Shrimp fisheries

121

NAL Call. No.: SH380.62.U5L3

Shrimp mariculture.. Shrimp mariculture, an overview
Lawrence, Addison L.; Chamberlain, George W.; Hutchins, David L.
Texas A & M University, Sea Grant College Program
College Station, Tex. : Texas A & M University, Sea Grant College
Program,; 1981.
8 p. : ill. ; 28 cm.. (TAMU-SG (Series) ; 82-503.). "A
cooperative project of the Texas A&M University Sea Grant College
Program, Texas Agricultural Experiment Station, Texas
Agricultural Extension Service and the Department of Wildlife and
Fisheries S. Cover title: Shrimp mariculture, an overview.
Bibliography: p. 8-[9].

Language: English

Descriptors: Shrimp culture; Texas

122

NAL Call. No.: SH221.5.G8T7 1981

Shrimp mariculture general information and commercial status
(Penaeus, USA). Lawrence, A.L.; Chamberlain, G.W.; Hutchins, D.L.
College Station : Texas A&M Univ., Sea Grant College Program,
1981; 1981. Proceedings of the Sixth Annual Tropical and
Subtropical Fisheries Technological Conference of the Americas,
April 20-23, 1981, San Antonio, Texas / compiled by R. Nickelson
II. p. 20-24; 1981.

Language: English

Descriptors: USA

123

NAL Call. No.: SH380.62.U5L32

Shrimp mariculture state of the art.
Lawrence, Addison L.; Johns, Michael A.; Griffin, Wade L.
Texas A & M University, Sea Grant College Program
College Station : Texas A & M University, Sea Grant College
Program,; 1983. 12 leaves : ill. ; 28 cm.. (TAMU-SG (Series) ;
84-502.). Grant
NA83AA-D-00061. Bibliography: leaves 9-12.

Language: English

Descriptors: Shrimp culture; Texas

124

NAL Call. No.: SH299.I5

A simplified hatchery technique for mass production of penaeid
prawn seed using formula feed (Penaeus indicus).
Mohamed, K.H.; Muthu, M.S.; Pillai, N.N.; Ali, S.A.; Pandian,
S.K.
Cochin : Indian Council of Agricultural Research; 1983.
Indian journal of fisheries v. 30 (2): p. 320-332. ill; 1983.
Includes
references.

Language: English

125 NAL Call. No.: SH156.T32 1990
Standard methods for the nutrition and feeding of farmed fish and shrimp. Tacon, Albert G. J.
Redmond, Wash. : Argent Laboratories Press,; 1990.
3 v. in 1 : ill. ; 28 cm. + 3 packets of product flyers.
Includes
bibliographical references.

Language: English

Descriptors: Fishes; Shrimps

126 NAL Call. No.: Z5973.S5S93
Sugpo and other Philippine penaeids a classified list of materials available at the SEAFDEC Aquaculture Department Library.
Southeast Asian Fisheries Development Center. Aquaculture Dept. Library, Documentation, Technical Services
Iloilo, Philippines : Brackishwater Aquaculture Information System, SEAFDEC Aquaculture Dept., [1985?]; 1985.
ix, 128 p. ; 25 cm. (Bibliography series (Southeast Asian Fisheries Development Center. Aquaculture Dept.) ; no. 4.). Includes indexes.

Language: English; English

Descriptors: Penaeus monodon; Bibliography; Catalogs; Shrimp culture; Philippines; Bibliography; Catalogs; Shrimp fisheries; Philippines; Bibliography; Catalogs; Penaeidae; Bibliography; Catalogs

127 NAL Call. No.: SH323.F6
Summary of studies relating coastal climatological factors and commercial shrimp production, southeastern United States (Penaeus).
Witzell, W.N.; Allen, D.M.
Rome : The Organization; 1982 (pub. 1983).
FAO fisheries report - Food and Agriculture Organization of the United Nations 1983). (278, suppl.): p. 111-119. ill; 1982 (pub. 1983). Includes references.

Language: English; French; Spanish

Descriptors: South Eastern States (USA)

128 NAL Call. No.: FICHE S-72
Surface aerator design for aquaculture and mariculture.
Rogers, G.L.; Fast, A.W.
St. Joseph, Mich. : The Society; 1986.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 86-5044): 20 p. ill; 1986. Paper

presented at the 1986 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: Shrimp culture; Surface areas; Aeration; Design; Models

129 NAL Call. No.: SH299.M3
Synopsis of marine prawn fishery of India - 1981 (Production statistics). George, M.J.; Suseelan, C.; Thomas, M.M.; Kakati, V.S.; Nalini, C.
Cochin : Central Marine Fisheries Research Institute; Oct 1982. Marine Fisheries Information Service. Technical and extension series (43): p. 8-23. ill., maps; Oct 1982.

Language: English

Descriptors: India

130 NAL Call. No.: TP156.F5K56
System analysis and design of biofilters for the three components of macrobrachium production.
Klemetson, Stanley L.; Cohen, Dan
United States-Israel Binational Agricultural Research and Development Fund Bet Dagan, Israel : BARD,; 1984.
iii, 117 p. : ill. ; 28 cm. May 5, 1984. Final report. Project no. US-60-80. Includes bibliographies.

Language: English

Descriptors: Water; Purification; Filtration; Shrimp culture

131 NAL Call. No.: SH380.6.T43
Technical considerations for the management and operation of intensive prawn farms.. Technicon, intensive prawn farms
Chiu, Yvonne N., 1955-; Santos, Leonor M.; Juliano, Rogelio O.
Iloilo City, Philippines : UP Aquaculture Society, College of Fisheries, University of the Philippines in the Visayas,; 1988.
viii, 172 p. : ill. ; 24 cm. Spine title: Technicon, intensive prawn farms. Includes bibliographies.

Language: English

Descriptors: Shrimp culture; Technique

132 NAL Call. No.: aHD1401.A2U52

Technology boosts shrimp farming.
Vocke, G.; Harvey, D.
Washington, D.C. : The Service; 1990 Apr.
Farmline - U.S. Department of Agriculture, Economic Research
Service v. 11 (4): p. 16-18; 1990 Apr.

Language: English

Descriptors: Shrimps; Seafoods; Technology; Food production

133 NAL Call. No.: SH380.62.U5T49
Texas shrimp farming manual an update on current technology.
Chamberlain, George W.; Haby, Michael G.; Miget, L. J.
Texas Agricultural Extension Service, Texas A & M University, Sea
Grant College Program
Corpus Christi, Tex. : Texas Agricultural Extension Service,
Texas A & M University System, Research and Extension Center,
1986?; 1986. ca. 273 p. : ill. (some col.), maps ; 28 cm. This
manual was generated for the Texas Shrimp Farming Workshop held
in Corpus Christi, Texas on November 19-20, 1985. Includes
bibliographies.

Language: English

Descriptors: Shrimp culture; Texas

134 NAL Call. No.: 421 J826
Trematode metacercarial infection of cultured giant freshwater
prawns, *Macrobrachium rosenbergii*.
Nash, G.
Duluth, Minn. : Academic Press; 1989 Jan.
Journal of invertebrate pathology v. 53 (1): p. 124-127. ill;
1989 Jan.

Language: English

Descriptors: Thailand; Prawns; Freshwater molluscs; Infection;
Metacercariae; Trematoda; Aquaculture; Ponds

135 NAL Call. No.: Z5973.S5P78 1992
U.S. marine shrimp farming program an annotated bibliography of
Consortium sponsored publications.
Pruder, Gary D.
Gulf Coast Research Laboratory Consortium
Honolulu, HI : Gulf Coast Research Laboratory Consortium,
Coordination Office, The Oceanic Institute,; 1992.
iv, 96 p. ; 28 cm. Includes index.

Language: English

Descriptors: Shrimp culture

136 NAL Call. No.: SH1.C65

U.S./Israeli effort in Macrobrachium production yields dividends for both (Freshwater prawn).

Lynch, T.

Little Rock, Ark., Briggs Associates, Inc; Sept/Oct 1981.

Aquaculture magazine v. 7 (6): p. 4-5. ill; Sept/Oct 1981.

Language: English

Descriptors: USA; Israel

137

NAL Call. No.: 507 S012

Utilizzazione di scarichi termici in crostaceicoltura, rapporto tra tasso di accrescimento e "carrying capacity" [Shrimp farming in thermal effluents. Relationship between carrying capacity and growth rate.].

Palmegiano, G.; Saroglia, M.G.

Societa italiana di biologia marina.

Pisa, La Societa; 1979 (pub. 1980).

Atti; Serie B: Memorie - Societa toscana di scienze naturali v.

86 (suppl.): p. 123-126. ill; 1979 (pub. 1980). 4 ref.

Descriptors: Italy

138

NAL Call. No.: QR115.F66

Vibrio cholerae and other vibrios associated with paddy field cultured prawns. Nair, G.B.; Bhadra, R.K.; Ramamurthy, T.;

Ramesh, A.; Pal, S.C.

London : Academic Press; 1991 Sep.

Food microbiology v. 8 (3): p. 203-208. charts; 1991 Sep.

Includes

references.

Language: English

Descriptors: Prawns; Vibrio; Vibrio cholerae; Foodborne diseases; Fish culture; Virulence; Bacterial toxins; Bacterial count; Rice; Food microbiology

Abstract: During a 6-month survey, 131 prawn samples belonging to five different species cultured in paddy fields were examined for the presence of Vibrio cholerae and related vibrios associated with human disease. Non-01 V. cholerae was the most common Vibrio species associated with the prawn samples followed by V. parahaemolyticus, V. mimicus, V. vulnificus and V. alginolyticus, in that order. V. cholerae non-01 appeared to constitute the normal microflora of prawns and this association was not limited by salinity. Examination of a representative number of V. cholerae and V. parahaemolyticus isolates for established virulence factors revealed that none of the V. cholerae strains possessed genes that were homologous with cholera-toxin genes and none produced a heat stable enterotoxin while none of the V. parahaemolyticus isolates were Kanagawa phenomenon-positive and most of the strains were untypeable. The presence of such high numbers of vibrios in paddy field cultured

prawn samples and its impact on the bacteriological quality of prawns destined for human consumption needs critical assessment.

139 NAL Call. No.: SH380.6.W68 1992
World shrimp culture.
United States, Office of International Fisheries Affairs
Silver Spring, Md. : National Marine Fisheries Service, National Oceanic and Atmospheric Administration, [1992-]; 1992-9999.
v. : ill., maps ; 28 cm. (NOAA tech. memo. NMFS-F/SPO ; 5, etc.).
September 1992. November 1992. Includes bibliographical references.

Language: English

Descriptors: Shrimp culture

140 NAL Call. No.: SH380.6.W67
World shrimp farming.. World shrimp farming (Annual report)
San Diego, CA : Aquaculture Digest, 1990-; 1989-9999.
World shrimp farming. v. : ill., maps ; 22 cm; 1989-9999. Title from cover.

Language: English

Descriptors: Shrimp culture; Periodicals

141 NAL Call. No.: SH380.6.W672
World shrimp farming a bimonthly report on shrimp and prawn farming.. World shrimp farming (Bimonthly report)
San Diego, CA : Aquaculture Digest, [1989-; 1989-9999].
World shrimp farming. v. ; 22 cm; 1989-9999. Description based on: Vol. 15, no. 1 (Jan. 1990); title from cover.

Language: English; English

Descriptors: Shrimp culture; Periodicals

142 NAL Call. No.: SH1.A6
Yield characteristics of the prawn *Macrobrachium rosenbergii* in temperate zone aquaculture.
Brody, T.; Cohen, D.; Barnes, A.; Spector, A.
Amsterdam, Elsevier Scientific Publishing; Dec 1980.
Aquaculture v. 21 (4): p. 375-385. ill; Dec 1980. 6 ref.

Language: ENGLISH

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