REFERENCES

- Apichart Pongsrihadulchai, Supan Karnchanasutham, Vicharn Amarakul, and Chanchai Totiwat. 1993. Monitoring of mangrove area by using geographic information system: A case study of Welu and Pakphanang estuaries, pp. II-14: 1-11.

 Proceedings of the 8th National Seminar on Mangrove Ecosystems.

 Bangkok: National Research Council of Thailand Press.
- Apsornsuda Siripong, Surachai Ratanasermpong and Suchana Visessung. 1991. The study of the state of Chumphon mangrove by remote sensing, pp. VII: 1-4.

 Proceedings of the 7th National Seminar on Mangrove Ecosystems.

 Bangkok: National Research Council of Thailand Press.
- Burhanuddin. 1991. A study on mangrove fish at Handeuleum Group and Panaitan Island of Ujung Kulon National Park. In A. Sasekumar (ed.), Mangrove Fisheries and Connections, pp. 173-182. Malaysia: ASEAN-Australia Marine Science Project Press.
- Bache, D.H., and MacAskill, I.A. 1984. Vegetation in civil and landscape engineering. London: Granada Publishing.
- Boonchana Klankumsorn and Thongchai Charuppat. 1983. Study on the changes of mangrove forest in Thailand by using LANDSAT imageries. Bangkok: Royal Forestry Department Press.
- _____. et al. 1989. Survey on Land Retained in mangrove area at Chantaburiand

 Trat Province project. Final Report to National Research Council of Thailand.

 Bangkok. (Mimeographed)

- Boto, K.G. 1982. Nutrient and organic fluxes in mangroves. In B.F.Clough (ed.), Mangrove ecosystem in Australia: Structure function and management, pp. 239-258. Hong Kong: Colorcraft Ltd.
- Browder, J.A., Bartley, H.A., and Davis, K.S. 1985. A probabilistic model of the relationship between marshland water interface and marsh disintegration.

 Ecological Modeling 29: 245-260.
- Chada Narongrit. 1992. Impact of shrimp farming on mangrove soil properties at

 Amphoe Kanchanadit, Changwat Surat Thani. Master's Thesis, Kasetsart

 University.
- Chong, V.C., Wee, G.H., and Sasekumar, A. 1991. Inshore fish and prawn communities off a mangrove shore in Selangor, Malaysia. In A.C. Alcala (eds.), Proceeding of the Regional Symposium on: Living Resources in Coastal Areas, pp. 503-512. Philippines: University of Philippines Press.
- Coastal Resources Institute. 1991. Coastal management in Pak Phanang: A historical perspective of the resources and issues. Price of Songkla University Press.
- Cracknell, A.P., and Hayes, L.W.B. 1991. **Introduction to remote sensing**. London: Taylor & Francis.
- Dolar, L.L., and Lepiten, M.V. 1991. A study on the mangrove, seagrass and coral reef fishes of North Bais Bay, Central Philippines. In A. Sasekumar (ed.), Mangrove
 Fisheries and Connections, pp. 137-172. Malaysia: ASEAN-Australia Marine
 Science Project Press.

- Durkin, J. 1994. Expert system: Design and development. New York: Macmillan Publishing Company.
- Dym, C.L., and Levitt, R.E. 1991. Knowledge based systems in engineering. New York: McGraw-Hill, Inc.
- Eng, F., and Bao, T.Q. 1993. Remote sensing data used for assessment and monitoring of mangrove forests in Camau Penisula Minh Hai Province (Southern Vietnam).

 Paper presented in international seminar on remote sensing for coastal zone and coral reef applications, Oct,30-Nov,1. Bangkok: Asian Institute of Technology.(Mimeographed)
- Fox, W. 1974. An overview of production modeling. Collect Val. Sci., Pap. ICCAT 3, 142-156. cited by Gulland, J.A. 1988. Fish population dynamics. 2nd ed. New York: John Wiley & Sons.
- Hamilton, L.S., and Snedaker, S.C. 1984. Handbook for mangrove area management.

 Hawaii: United Nations Environmental Program, Kenya and East-West Center,

 Environmental Policy Institute Press.
- Harrison, B.A., and Jupp, D.L.B. 1989. Introduction to remote sense data.

 Melbourne: CSIRO, Division of water and land resource.

- Hassanai Kongkeo. 1993. Coastal aquaculture development in Thailand. Paper presented in international seminar on remote sensing for coastal zone and coral reef applications, Oct,30-Nov,1. Bangkok: Asian Institute of technology. (Mimeographed)
- Jirakorn Gajaseni, Suthasanee Bookong. 1982. Comparative ecological study of fauna between disturbed mangrove forest and natural mangrove forests. Final Report to National Research Council of Thailand. Bangkok. (Mimeographed)
- Leh, M.U.C., and Sasekumar, A. 1991. Ingression of fish into mangrove creeks in Selangor, Malaysia. In A.C. Alcala (eds.), Proceeding of the Regional Symposium on: Living Resources in Coastal Areas, pp. 495-502. Philippines: University of Philippines Press.
- Low, J.K.Y., and Chou, L.M. 1991. Fish fauna of some Singapore mangrove and near-shore habitats. In A. Sasekumar (ed.), Mangrove Fisheries and Connections, pp. 94-113. Malaysia: ASEAN-Australia Marine Science Project Press.
- Macintosh, D. J. 1984. Ecology and productivity of Malasian mangrove crab population.
 In Soepadmo, E., A. N. Rao and D.J. Macintosh (eds.), Proc Asian Symp.
 Mangr. Environ, pp.354-377. Malaysia: University of Malaya Press.
- Martosewojo, S., and Soedibjo, B.S. 1991. Preliminary analysis of the fish community of the mangroves of Grajagan (East Java). In A.C. Alcala (eds.), Proceeding of the Regional Symposium on: Living Resources in Coastal Areas, pp. 479-484.
 Philippines: University of Philippines Press.
- Olson, D.L., and Courtney, J.F.(JR.) 1992. Decision support models and expert systems. Sydney: Maxwell Macmillan International.

- Paw, N.P., and Chau Thai-eng. 1991. An assessment of the ecological and economic impact of mangrove conversion in South-east Asia. In L.M. Chou et al. (eds.),
 Proceeding of the ASEAN/US Technical Workshop on the Integrated Tropical Coastal Zone Management, pp. 201-212. Philippines: ICLARM Press.
- Phaibul Naiyanetr. 1991. Impact of shrimp farms to the economical Crustaceans in mangrove area. Proceedings of the 7th national seminar on mangrove ecosystems, pp. V9: 1-5. Bangkok: National Research Council of Thailand Press.
- Pramuk Kawneum et al. 1990. An environmental impact study of aquaculture in Nakorn Sri Thamarat and Songkhla Province using satellite imagery. Final Report to National Research Council of Thailand. Bangkok. (Mimeographed)
- Remote Sensing Division. 1991. Remote sensing and mangrove project (Thailand).

 Final report to National Research Council of Thailand. Bangkok. (Mimeographed)
- Rolston, D.W. 1988. Principles of artificial intelligence and expert systems development. New York: McGraw-Hill International.
- Sahid, M.A., and Pramanik, M.A.H. 1986. The application of remote sensing techniques to study the relationship between the shrimp/fish farms and the mangrove system of the Bangladesh coastal region. Proceeding on the Regional Seminar on the Application of Remote Sensing Techniques to the Coastal Zone Management and Environmental Monitoring, pp.108-122. Bangladesh: UNDP/ESCAP Press.
- Sanit Aksornkoae and Nittharatana Paphavasit. 1990. Research status on ecology and distribution of population and communities in marine habitats. Paperpresented at Workshop 2: Ecology and Distribution of Population and Communities, April,3-5. Bangkok: Chulalongkorn University. (Mimeographed)

- Sarin Tantipokanon and Nittharatana Paphavasit. 1991. Zooplankton compositions and abundance in the converted mangrove area to shrimp farms in the Ang Sila Area, Chonburi Province. Proceedings of the 7th national seminar on mangrove ecosystems, pp.V-4:1-15. Bangkok: National Research Council of Thailand Press.
- Sasekumar, A., Chong, V.C., and Leh, M.U.C. 1991. Fish and Prawn Communities in mangrove estuaries and mudflats in Selangor (Malaysia). In A.C. Alcala (eds.), Proceeding of the Regional Symposium on: Living Resources in Coastal Areas, pp. 485-494. Philippines: University of Philippines Press.
- Sebastiani, M. et al. 1994. Large-scale shrimp farming in coastal wetlands of Venezuela, South America: Causes and consequences of land-use conflicts. Environmental management 18, No.5: 647-661.
- Singh, H.R., and Sasekumar, A. 1994. Distribution and abundance of marine catfish (FAM: ARRIDAE) in the Matang mangrove waters. ASEAN-Australia third Symposium on Living Coastal Resources. (in press)
- Siri Tookvinas. 1992. Shrimp aquaculture and mangrove. Division of Coastal Aquaculture, Fisheries Department, Ministry of Agriculture and Cooperatives. (Mimeographed)
- Somvipha Yothaphant. 1990. A study of area of marine shrimp culture in Khung Kraben Bay: Problem and Recommendations. Master's Thesis, Chulalongkorn University.

- Suphap Monkolprasit. 1994. Fish composition and food habitat in mangrove forests at Phang-nga Bay and Ban Don Bay, Thailand. ASEAN-Australia third Symposium on Living Coastal Resources. (in press)
- Suphaphorn Rakkhiew. 1990. Distribution and flux of nutrients in a mangrove forest at Klong Ngao, Rayong Province. Master's Thesis, Chulalongkorn University.
- Suvit Vibulsresth et al. 1976. Distribution of mangrove forest as revealed by the Earth Resources Technology Satellite(ERTS-1) Imagery. Bangkok: National Research Council.
- Suvit Vibulsresth, Uthaivan Pornprasertchai and Surachai Ratanasermpong. 1988.

 Mangrove and coastal zone study from Landsat MSS and TM data. Proceedings

 of the 9th Asian Conference on Remote Sensing, pp. 140-148, Bangkok:

 UNDP/ESCAP Press.
- Taweesak Piyakarnchana. et al. 1979. A study on nature properties and impacts on the living organism of the polluted water in the vicinity of the river mouth of the Mae Klong River, Samut Songkram Province. Final report to the national Research Council of Thailand. (Mimeographed)
- Terchunian, A., and Klems, A. 1986. Mangrove mapping in Ecuador: The impact of shrimp pond construction. Environmental Management 10, No.3: 345-350.
- Thongchai Charuppat. 1993. Mangrove forest situation in Thailand in 30 years (1961-1991). Proceedings of the 8th National Seminar on Mangrove Ecosystems, pp. VI-9: 1-13. Bangkok: National Research Council of Thailand Press.

- Tussanee Chantadisai and Wipada Apinan. 1985. Impact on environment from development in mangrove area. Paper presented in the 5th National Seminar on Mangrove Ecosystem, 26-29 July, 1986. (Mimeographed)
- Yap, Y.N., Sasekumar, A., and Chong, V.C. 1994. Sciaenid Fish of the Matang mangrove waters. ASEAN-Australia third Symposium on Living Coastal Resources.(in press)
- Zamora, P.M. 1987. Mangrove. In T.E Chua et al.(eds.), The coastal environment profile of Brunei Darussalams: Resource assessment and management issue, pp. 28-43. Philippines: ICLARM press.



CURRICULUM VITAE

Mr. Buntoon Srethasirote was born at Bangbao district, Samutprakarn province on November 27, 1969. He graduated with the Bachelor degree of Marine Biological Science from Marine Science Department, Chulalongkorn University in 1990. The study about comparison in time for the associated fauna of the coral was his special problem topic for Bachelor degree. During the past year after graduated, he had been employed as chief of water quality control division, Oasis Sea World Co., Ltd. and Chief of research and development division, Unicord Feed Co., Ltd. In 1992, he started his graduated study for a Master degree in Environmental Science, Chulalongkorn University.