

## CIRRICULUM VITAE

**Name** Mr. NOPARAT BAMROONGRUGSA, Ph.D.

**Nationality** Thai , **Place of birth** Surathani Province (Southern Thailand)

**Position:** ( 2012-) Expert, Wetland Research center and Energy Research Center,  
Prince of Songkla University, Thailand

### Education

- 1960-1964 Student at Surathani School, Surathani, Thailand  
1965-1966 Student at Triam Udomsuksa School, Bangkok, Thailand  
1967-1971 **B.Sc.** (Botany), Chulalongkorn University, Bangkok, Thailand  
1976-1977 **Dip.Sc.Agri.** (Horticulture) at the University of New England,  
Australia under Colombo Plan” Grantee)  
1977-1979 **M.Sc.Agri.** (Agronomy) at the University of New England,  
Australia (“Colombo Plan” Grantee)  
1982-1985 **Ph.D.** (Crop Science) at North Carolina State University, USA  
 (“Fulbright” Grantee)

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### Academic and Administrative Experiences:

- 1972 A teaching staff member at Prince of Songkla University, Pattani  
1974 Head, Biology Section, General Science Dept, PSU, Pattani  
1980 Assistant Professor and Deputy Chairman, Department of General  
Science. PSU, Pattani  
1985 Chairman, Department of Science and Mathematics, Faculty of  
Science and Technology, PSU,  
1987 Vice Dean, Faculty of Science and Technology, Prince of Songkla  
University  
1988-1991 **Vice President for Academic Affairs**, Prince of Songkla  
University at Pattani  
1995-1996 Vice Dean, Faculty of Science, Prince of Songkla University,  
Hat Yai.  
1993-2008 Associate Professor, Biology Department, Faculty of Science,  
Prince of Songkla University, Thailand  
1997-2000 Vice Dean, Graduate School, Prince of Songkla University.  
2000 (Feb) – 2000(Aug) **Acting Dean, Graduate School, PSU**  
2001-2007 **Director, Wetland Research Center**, Faculty of Environment  
Management , PSU  
2009-2012 Expert in Mangrove Ecology, Marine and Coastal Resource  
Institute, Prince of Songkla University, Thailand

2012- Expert and Head of Wetland Research Center and Alternative Energy Research Center,  
Prince of Songkla University, Thailand

### **Some Publications and Research on Mangrove, Coastal Management and Wetlands**

#### **Books:**

- Bamroongruga, N. (1992). Mangrove Planting, Odean Store. Pub. Com., Bangkok (72 pages)
- Bamroongruga, N. (2001) Nipa Palm.....An Economic Crop of Mangroves. Thailand-National Research Council. 58 pages.
- Wee yeow chin, S.Peerarak, N. Bamroongruga (1988). Growing Protein and Vitamin-Rich Plants, Source Book, the Asean Seminar- workshop on Food, Nutrition and Rural Development, 24-27 April 1988, Jointly organized by the office of Extension and Continuing Education, Prince of Songkla Univ. and CIDA, Hat yai, Thailand
- Bamroongruga, N. and O. Yaacob. (1991). Fruit Production in Southern Thailand and Northern Malaysia. Pemiagaan Shah Ain, Kuala Lumpur, Malaysia. 110. pp.
- Bamroongruga, N. and O. Yaacob. (1991). "*Lansium domesticum*" in PROSEA Vol. 2 (Edible Fruits and Nuts), PROSEA Foundation Publication Office, Agricultural University, Wageningen, the Netherlands, 186-190.
- Le Roux, P., J. Ivanoff, I. Besson, N. Bamroongruga. (1991). "The Golden Forests" Report of Rubber Anthropological and Technical Survey in Southern Thailand. PSU (Patani) - IRCA-CEDRA Publication. 152 page
- Bamroongruga, N. (1993). Saline soils in Thailand. in LE SEL DE VTE. EN Asie du Sud-Est. (Pierre Leroux & Jacques Ivanoff (eds). P.S.U. and Centre National de la Recherche Scientifique, France, 255-262.
- Wiradinata H. and N. Bamroongruga. (1993) "*Parkia speciosa*" in PROSEA Foundation Publication office. Agriculture University, Wageningen, the Netherlands, 222-224.
- Bamroongruga, N. (2003). Development of a Regional Environmental Education Program in the Lower Mekhong Basin : Phase One- Feasibility . Wetland International ,Thailand Office ,134 pages

#### **Research Papers:**

- Bamroongruga, N. and P. Yuanlaie (1995). Mangrove Afforestation on Newly Formed Mudflats of the Pattani Bay, Southern Thailand. Proceeding, Ecotone IV Seminar on Ecology and Management of Mangrove Restoration and Regeneration in East and Southeast Asia, Surathani, Thailand, 18-22. Jan. 1995. (15 pages)
- Bamroongruga, N. and P. Yuanlaie. (1992). Improvement of saline soils in the Northeast Thailand by growing selected salt tolerant species. Proc.Int. Symposium on Strategies for Utilizing Salt Affected Lands. 17-25 Feb 1992 Bangkok, Thailand. pp.349-354.

- Bamroongruga, N. and N. Kaewsinuan. (1995). Traditional Uses of Nipa Palm (*Nypa fruticans*) in Pak Phanang Basin, Southern Thailand. Proc.9<sup>th</sup> Seminar on Mangrove Ecology. Thailand Research Council. 6-9 Sept. 95. Phuket. (P.III-10)
- Naroongrit, C. and N. Bamroongruga (1995). Study on some properties of soil and water in shrimp farms at Patani Bay. Proc.9<sup>th</sup> Seminar on Mangrove Ecology. Thailand Research Council. 6-9 Sept. 1995. Phuket. (P.V -05)
- Bamroongruga, N. and N. Kaewsinuan. (1996). Production of Sugar from Nipa Palm in Pak Phanang Basin, Southern Thailand. Proc. Conference, IMT-GT Regional Conservation & Management of Natural Resources, 21-24 May 1996, USM, Penang, Malaysia.
- Bamroongruga, N. (1999). "Bioactive Substances from the Mangrove Resource". Songklanakarin J. Sci. Technol. Vol.21 No. 3:377-386.
- Bamroongruga, N. (1997). Mangrove Afforestation on Newly Accreted Mudflats of the Pak Phanang Bay, Southern Thailand. Proc. 10<sup>th</sup> Seminar on Mangrove Ecology. Thailand Research Council. 25-28 August 97. Hat Yai. Songkla. Thailand (II-3, pp.1-9)
- Kaewwongsri, P. and N. Bamroongruga. (1997). Study on Growth of *Avicennia spp.* For Pioneer Plants on Newly Formed Mudflats of the Pattani Bay, Southern Thailand. Proc. 10<sup>th</sup> Seminar on Mangrove Ecology. Thailand Research Council. 25-28 August 97. Hat Yai. Songkla. Thailand (II-4, pp. 1-8)
- Kaewwongsri, P. and N. Bamroongruga. (1997). A Study on the Mangrove Vegetation at the Pak Phanang Bay, Nakhon Si Thammarat Province, Thailand Proc. 10<sup>th</sup> Seminar on Mangrove Ecology. Thailand Research Council. 25-28 August 97. Hat yai, Songkla, Thailand (II-9, pp. 1-16)
- Kaewwongsri, P., N. Bamroongruga. and S. Aksornkoae (1997) Study on growth and survival rates of *Avicennia sp.* for pioneer plants on newly formed mudflats of the Pattani Bay, Southern Thailand, Thai J. For. 16:34-42
- Bamroongruga, N. and P. Kaewwongsri. (1999). A study on watering methods for mangrove seedlings grown in nursery. Proc. Seminar. Ecotone VII "Enhancing Coastal Ecosystem Restoration for 21 st. Century" Ranong and Phuket Province, Southern Thailand, 23-28 May 1999: pp 174-179, UNESCO Regional Office, Jakarta, Indonesia.
- Bamroongruga, N., P. Kaewwongsri and M. Eksirinimitara (1999) A study on survival rates and growth rates for some mangrove seedlings treated with varying water salinity applications in the nursery. Thailand Research Fund Report, "Mangrove Resource Restoration and Development for Thailand's Social and Economic " Uses. Editor: Professor Sanit Aksornkaow et.al., Oct. 1999.,:pp 275-282.
- Bamroongruga, N., P. Kaewwongsri and M. Eksirinimitara (1999). Effect of soil media used in the nursery on growth of some mangrove seedlings transplanted to the mudflat at Pattani Bay. Thailand Research Fund Report, " Mangrove Resource Restoration and Development for Thailand's Social and Economic Uses. Editor Professor Sanit Aksornkaow et.al., Oct. 1999.,: pp 283-290.
- Bamroongruga, N. (2000). Success of Mangrove Planting under Different Environmental Conditions. Proc. National Mangrove Ecosystem 11<sup>th</sup> Seminar. National Research Council., Trang Plaza Hotel, Trang Province, Thailand. 9-11 July. I –2:1-13.

- Bamroongruga, N. (2001) Study on Mangrove Planting Techniques at Songkla Lake, Southern Thailand. Paper Presented at Asian Wetland Symposium 2001, 27-30 August 2001, City Bay view Hotel, Penang, Malaysia. 17 pages.
- Eksirinimitr, M; P. Kaewwongsri and N. Bamroongruga(2000) Effect of *Avicennia (A. marina)* as the Pioneer Species on Growth and Survival Rates of *Rhizophora (R. apiculata)* at the Pattani Bay. Proc. National Mangrove Ecosystem 11<sup>th</sup> seminar. National Research Council, Trang Plaza Hotel, Trang Province, Thailand. 9-11 July.
- Bamroongruga, N.; S. Aksornkha; S. Panitchart and V. Teratanatorn (2002) Monitoring on Growth Performance and Soil Conditions after Mangrove Rehabilitation in Abandoned Shrimp Ponds. Proc. PACON 2002, The Ocean Century, July 21-26, 2002; Nippon Convention Center, International Conference Hall, Chiba, Japan.
- Bamroongruga, N.; S. Boromtanarat; S. Panitchart and S. Kato (2002) The Impact of Shrimp Farm Sludge Discharged on Mangrove Forest. In Proceeding of 4<sup>th</sup> Asia Pacific Conference on “Sustainable Energy and Environmental Technologies”. 8-10 May, 2002; The Paton Hotel, Yokkaichi, Mie, Japan : pp. 352-358.
- Bamroongruga ,N. (2003) Wetland Situation in Thailand: Status, Management and Conservation. Proceeding of the International Seminar on “Wise Use and Sustainable Management of Peatland” Royal Princess Hotel, Narathiwat, Thailand ,9-11 April,2003: pp 40-43
- Bamroongruga,N.. and C.Puritavarakul, (2003) Growth of *Sonneratia caseolaris* after planting at varying water depth of Songkla Lake.Proc. 6 th International Conference on the Environmental Management of Enclosed Coastal Seas. EMAC 2003 Montien Riverside Hotel,Bangkok, Thailand(18-21 Nov.)
- Eksirinimitre,M, Bamroongruga N,and Sadoodee,S.(2005) Aerial root adaptations of *Rhizophora apiculata* Bl. and *Avicennia marina* Vierh. to changes of water levels. Songkla nakarin J.Sci. Technol.,27(4):759-768
- Bamroongruga,N.(2003) Development of A regional Environmental Education Programme in the Lower Mekong Basin. :Report (Phase one) Wetlands International, Thailand Office. 134 pages.
- Bamroongruga, N ; C. Purintavarakul ; S. Kato and J. Stargardt (2004). Production of Sugar – Bearing Sap from Nipa palm in Pak Phanang Basin, Southern Thailand, Bull. Soc. Sea Water Sci., Jpn. Vol 58. No.3
- Im-Erb, R., N. Bamroongruga,, K. Kawashima,, T. Amano, and S.Kato. (2004). Utilisation of coal ash to improve acid soil. Songklanakarin J. Sci. Technol. Vol. 26, No.5 Sept.-Oct. 2004: pp.697-708.
- Bamroongruga ,N. (2004) Monitoring Growth of *Sonneratia caseolaris* after Planting at Varying Water Depths of the Songkla Lake. Proceeding of the International Workshop on “ Integrated Lake Management” Prince of Songkla University, Thailand . JB Hotel, Hat Yai, Songkla , THAILAND ,9-12 August 2004: pp 76-83
- Bamroongruga , N.; S.Aksornkhaeo, ; S.Kato, , S. Panitchart and V. Teratanatorn(2004) Mangrove rehabilitation in abandoned shrimp ponds at Nakorn Si Thammarat,Southern Thailand. Proceeding of International Conference “ Environmental Hazards and Geomorphology in Monsoon Asia: Progress in Process Study and GIS Mapping” JB Hotel,Hat Yai,Songkla, Thailand ,20-24 December 2004.pp 91-100

- Bamroongrugsas, N. S. Aksornkhae, S.Kato., S. Panitchart, V.Teratanatorn and S.Sayaka,(2004) Monitoring on growth performance and soil conditions after mangrove rehabilitation in abandoned shrimp ponds at Nakhon Si Thammarat, Southern Thailand. 7 th INTERCOL International Wetlands Conference. Utrecht, The Netherlands,(25-30 July)
- Bamroongrugsas, N., C.Purintavarakul., and A.Sayaka,(2006). Reclamation of abandoned shrimp ponds through replanting of selected mangrove species. Catchment to Coast Conference,Cairns ,Queensland, Australia.(9-14 July).
- Bamroongrugsas, N. and C.Purintavaragul.(2006) Growing Nipa Palm for Restoration of Abandoned Shrimp Ponds. Wetland Science. Vol.4 , No 2 June 2006. pp 91-95
- Bamroongrugsas, N, . C. Purintavarakul and A. Sayaka (2004). Growth of Nipa Palm (*Nipa Fruticans* Wurm.) Using Varying Planting Methods for Restoration of Abandoned Shrimp Ponds. Proceeding of Asia Wetland Symposium 2005. Innovative Approached to Sustainable livelihood. 6-9 Feb. 2005. Bhubaneswar, India.
- Bamroongrugsas, N., S. Havanon., P. Kongkaew and N.Matsui (2007) Mangrove Restoration in the Shrimp pond Sludge Affected Area. Report for “ The Final Meeting for the Joint Project on Development of Reforestation Technique for Rehabilitating Mangrove Ecosystem”. Department of Coastal and Marine Resources, Thailand, The Kansai Electric Power Co.,Inc. Japan and Kansai Environmental Engineering Center Co., Ltd. Japan . 2 nd March 07, Osaka, Japan. ( 8 pages).
- Bamroongrugsas,N., S.Havanon, S. Sangsee, B. Tapanyou, and N. Matsui, ( 2007) Mangrove Rehabilitation: Research and Development on Mangrove to Improve Environment Degradation of Songkla Lake, Southern Thailand. Report for “ The Final Meeting for the Joint Project on Development of Reforestation Technique for Rehabilitating Mangrove Ecosystem”. Department of Coastal and Marine Resources, Thailand, The Kansai Electric Power Co.,Inc. Japan and Kansai Environmental Engineering Center Co., Ltd. Japan . 2 nd March 07, Osaka, Japan. ( 10 pages).
- Bamroongrugsas,N., S. Havanon, A. Sayaka and N. Matsui. (2007) .Mangrove Restoration in the Area Affected by Shrimp Pond Sludge. Preoc. ISWS 2007-International Seminar on Wetland and Sustainability .(eds) Prof. Dr. Kiyoshi Kobayashi and Assoc. Prof. Ir. Dr. Maisarah Ali. International Islamic University Malaysia. Puteri Pacific Hotel, Johor Bahru, 4-6 September 2007. pp 325-334
- Havanon,S., J. Chukwamdee, N. Bamroongrugsas, and N. Matsui, (2007) Mangrove Rehabilitation on the Accreted Mudflat by Fencing and Basket Planting Techniques. Report for “ The Final Meeting for the Joint Project on Development of Reforestation Technique for Rehabilitating Mangrove Ecosystem”. Department of Coastal and Marine Resources, Thailand, the Kansai Electric Power Co., Inc. Japan and Kansai Environmental Engineering Center Co., Ltd. Japan . 2 nd March 07, Osaka, Japan. ( 6 pages).
- Bamroongrugsas,N., Supaporn Buachum and Choathip Purintavaragul (2008) Nipa Palm (*Nypa fruticans* Wurm.) Cultivation in Salt Affected Paddy Fields. *J.of Tropical Plants Research*. Vol.1, July 2008.pp 93-102

### **Mangrove and Coastal Management Related Activities :**

@ Lecturer: postgraduate student course 330-552 “ Mangrove Ecology “ in Prince of Songkla University for 14 years and Taksin University, Thailand.

@ Postgraduate student advisor on Mangrove and Coastal Ecosystem.

@ Co-researcher on the project “ Pilot Action research on Alleviation of Female Rural Poverty in Southern Thailand” **with Cambridge University ,UK** under Gender and Development Fund. Funded by The British Council (1999-2000)

@ Advisor and coordinator for Department of Coastal and Marine Resources, Thailand on UNEP Project “ Reversing Environmental Degradation Trends in the South China Sea and the Gulf of Thailand.”

@ Research team leader on the project “In-dept assessment of mangrove and other **coastal forests affected by Tsunami** in Southern Thailand “(THA/05/001/01/12) under FAO funding during 2005-2006

@ Advisor and coordinator for Department of Coastal and Marine Resources, Thailand on the Project “The Study on Ecosystem Changes of **Coastal Forests Affected by the 2004 Tsunami**, Southern Thailand” (2005-2006 budget)

@ Research team on the Project “ Re-Afforestation of Mangrove Forest in Relation to Environment Conditions “ under The Green Carpet

Project at Nakorn Si thammarat with Research Association for Global Mangrove and KNCF, JEC, JAPAN (1994-1999)

@ Team leader on Lake Ecosystem Project for Songkla Lake Master Plan, Ministry of Natural Resources and Environment, Thailand (1999-2001)

@ Independent consultant on Environment Assessment for the Ministry of Finance , Thailand . Registered Number 1979.

@ Advisor , Wetlands International Office , Thailand . 2005 -

@ Working Team on **the King Project** “Mangrove Bio-diversity Demonstration Site for the Songkla Lake (2006- ). Thailand ”

@ National Committee Board of “Mangrove for the Future Project ” Thailand. IUCN, UN. 2008-

@ Advisory Board, Department of Marine and Coastal Resource, Ministry of Natural Resources and Environment , Thailand. 2009-

@ Working staff, Master Plane for Coastal Erosion Protection on Andaman Coast, Thailand, Prince of Songkla Univ.( 2012-2014)

@ Head of advisory committee on EIA for bush fire protection at Kuan Kreng Peat Swamp Forest, Southern Thailand ( 2014-2015 )

