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EDUCATION

Nha Trang University, Nha Trang, Vietnam
Ph.D. in Agriculture, 2001-2008.

Asian Institute of Technology, Bangkok, Thailand
M.Sc. in Aquaculture, 1997-1998.

Nha Trang University, Nha Trang, Vietnam
B.Sc. in Aquaculture, 1988-1993.

RESEARCH INTERESTS

- Nutrition requirements and feed development for marine species, especially spiny lobsters (*Panulirus ornatus*, *P. homarus*) and groupers (*Epinephelus malabaricus*, *E. coioides*, *E. fuscoguttatus*).
- Seaweed cultivation
- Planning and management for sustainable aquaculture development

RESEARCH EXPERIENCE

- *The sustainability of grouper seed supply to the aquaculture industry in Khanh Hoa, Vietnam*, Master thesis, AIT, Bangkok, Thailand, 1998.
- *Improved management of small-scale cage farming systems in tropical Asia (CAGES)*. DFID (UK)-funded Project, 1998-2000.
- *Practical guidance for the estimation and allocation of environmental capacity for aquaculture in tropical developing countries (TROPECA)*. DFID (UK)-funded Project, 2001-2005.
- *Research Capacity Building for Nutrition and Aquafeeds (CARD Aquafeed Project)*. AusAID (Australia)-funded Project, 2000-2002.

- *Studies on nutritional requirements and pilot out-growing of malabar grouper, Epinephelus malabaricus, using pelleted feeds.* PhD thesis, Nha Trang University, Vietnam, 2008.
- *Sustainable Tropical Spiny Lobster Aquaculture in Australia and Vietnam (and Eastern Indonesia) (FIS/2001/058).* ACIAR (Australia)-funded Project, 2006-2008.
- *Start to conduct a technical and environmental risk analysis of current aquatic production systems in Vietnam.* SUDA (Denmark) activity 3.2.1, 2008.
- *Spiny lobster aquaculture development in Indonesia, Vietnam and Australia (SMAR/2008/021).* ACIAR (Australia)-funded Project, 2009-2013.
- *Improving feed sustainability for marine aquaculture in Vietnam and Australia (FIS/2006/141).* ACIAR (Australia)-funded Project, 2009-2014.

TEACHING RESPONSIBILITY

Undergraduate

- Planning and management for aquaculture development (BSc's Aquaculture Program)

Graduate

- Aquaculture Experimental Design and Data Analysis (MSc's Aquaculture Program)
- Aquaculture Nutrition (MSc's Aquaculture Program)
- Integrated Coastal Zone Management (MSc's Fishery Economics Program)
- Aquaculture Systems (PhD's Aquaculture Program)

PUBLICATIONS and PRESENTATIONS

Books:

1. Le Anh Tuan. Seaweed culture. Agriculture Publisher, Ho Chi Minh city, Vietnam, 2004.
2. Sena S. De Silva, Trevor A. Anderson (translated by Le Anh Tuan). Fish Nutrition. Agriculture Publisher, Ho Chi Minh city, Vietnam, 2006.

Journals

1. **Le Anh Tuan**, 2013. Apparent digestibility of selected marine and terrestrial plant feed ingredients for spiny lobster *Panulirus ornatus*. *Journal of Fisheries Science*

- and Technology*, ISSN 1859-2252. Vol. 01/2013, Nha Trang University, Vietnam, pp 78-84.
2. Nguyen Thi Mai and **Le Anh Tuan**, 2012. *Effects of using fresh diet in economic marine finfishes sea-cages farming on the environment in the Van Don sea, Quang Ninh province. Review of Science – Technology of Fisheries*, Vol. 2/2012, pp 166-172.
 3. **Le Anh Tuan**, (2008). “Preliminary assessment of technical, economic and environmental efficiency of cage culture of Malabar grouper, *Epinephelus malabaricus*, using fresh fish diet and pelleted diet”, *Review of Science – Technology of Fisheries*, Vol. 04/2008, Nha Trang University, Vietnam, pp 3-10.
 4. **Le Anh Tuan** (2008), “Characteristics of the intestinal tract and diet composition of wild malabar grouper, *Epinephelus malabaricus* from the Nha Trang Bay”, *Review of Science – Technology of Fisheries* Vol. 02/2008, Nha Trang University, Vietnam, pp 3-9.
 5. **Le Anh Tuan** (2007), “Nutrient requirements of marine finfish: current status”, *Review of Science – Technology of Fisheries* Vol. 03/2007, Nha Trang University, Vietnam, pp 67-73.
 6. **Le Anh Tuan**, Williams, KC (2007), “Optimum dietary protein and lipid specifications for juveniles malabar grouper (*Epinephelus malabaricus*)”, *Aquaculture* 267, pp129-138.
 7. **Le Anh Tuan** (2006), “Fishmeal replacement by soybean meal and meat bone meal in diets for juvenile malabar grouper *Epinephelus malabaricus*, in experimental conditions”, *Review of Science – Technology of Fisheries* Vol. 03-04/2006, Nha Trang University, Vietnam, pp 59-67
 8. **Le Anh Tuan** (2005c), “Best practices for using trash fish in the culture of juvenile Malabar grouper, *Epinephelus malabaricus*”, *Aquaculture Asia*, Vol. X, No.1, pp. 40-41 &45.
 9. **Le Anh Tuan** (2005b), “Effects of dietary protein and lipid on growth and survival rate of juvenile malabar grouper *Epinephelus malabaricus*, in experimental conditions”, *Journal of Fisheries*, Vol. 10, pp 23-26, Hanoi, Vietnam.
 10. **Le Anh Tuan** (2005a), “Effects of trashfish species and feeding rates on growth and survival rate of juvenile malabar grouper *Epinephelus malabaricus*, in experimental conditions”, *Journal of Fisheries*, Vol. 5, pp 20-23, Hanoi, Vietnam.
 11. **Le Anh Tuan** (2004), “Grouper Aquaculture in Vietnam: current status and technical constraints”, *Review of Science – Technology of Fisheries*, Special Volume, pp. 174-179, Nha Trang University, Vietnam.

12. Hambrey, J.B., **Le Anh Tuan** and Ta, K.T. (2001), “Aquaculture and poverty alleviation II. Cage culture in coastal waters of Vietnam”, *World Aquaculture*, 32, pp. 34-38.
13. Hambrey, J.B., **Le Anh Tuan**, Nguyen T.N., Do, T.H., Ta, K.T., (1999), “Poverty alleviation and marine cage culture in Vietnam”, *Aquaculture News* (Scotland), 25, pp15- 18.

Presentations

1. **Le Anh Tuan**, 2012b. *Vietnam Land based lobster production experiments: status, results and research needs*. Paper presented at the Vietnam-Taiwan international conference on seed breeding technology and mariculture held at the Nha Trang University (25-26/5/2012), Nha Trang, Vietnam.
2. **Le Anh Tuan**, 2012a. *Rearing spiny lobster *Panulirus ornatus* in tanks using pelleted diet: effects of stocking densities and shelter settings*. Paper presented at the 4th Regional Aquafeed Forum held at the Novotel (12-13/4/2012), Nha Trang, Vietnam.
3. Nguyen Ba Thien An and **Le Anh Tuan**, 2012. Current status of cageculture of ornate spiny lobster (*Panulirus ornatus*) in Khanh Hoa province. Proceedings of the third national conference on fishery and aquaculture for young scientists, Hue city (March 24-25th, 2012), pp 374-381.
4. **Le Anh Tuan**, 2011. *Spiny lobster aquaculture in Vietnam: constraints and opportunities*. Paper presented at the 9th International Conference and Workshop on Lobster Biology and Management, held in Bergen, Norway, 19-24 June 2011.
5. **Le Anh Tuan** and Le Lan Huong, 2011. *Lobster disease, impact in Vietnam, response, lessons for Indonesia*. Paper presented at the Technical workshop for ACIAR project (SMAR/2008/021) – Spiny lobster Aquaculture Development in Indonesia, Vietnam and Australia – held in Lombok, Indonesia, 26-27 Jan, 2011.
6. Le Lan Huong and **Le Anh Tuan**, 2011. *Vietnam lobster industry, sea-cages and ponds*. Paper presented at the Technical workshop for ACIAR project SMAR/2008/021 – Spiny lobster Aquaculture Development in Indonesia, Vietnam and Australia – held in Lombok, Indonesia, 26-27 Jan, 2011.
7. **Le Anh Tuan**, 2010. *Project evaluation report*. MRC FISHERIES PROGRAMME, Fisheries Management and Governance (FMG), Vietnam Sub-component, DakLak, 1st Oct – 31st Dec, 2010.
8. **Le Anh Tuan**, 2010. *Spiny lobster culture in sea-cages: Vietnamese case story and potential for Tamil Nadu*. Detailed Project Report, Tata Sons, Tamil Nadu, India.

9. **Le Anh Tuan**, 2010. *Feeds and feeding practices in spiny lobster farming in Khanh Hoa, Vietnam*. Paper presented at the second Regional Aquafeed Forum held in Hanoi, 2-3 July, 2010.
10. **Le Anh Tuan** and Kevin Williams, 2009. Nutritional requirements of Malabar grouper, *Epinephelus malabaricus*. Paper presented at the first Regional Aquafeed Forum held at Nha Trang university, 6-7 August, 2009.
11. Kevin Williams and **Le Anh Tuan**, 2009. Nutritional requirements of *Panulirus ornatus* lobsters. Paper presented at the first Regional Aquafeed Forum held at Nha Trang university, 6-7 August, 2009.
12. **Le Anh Tuan** and Nguyen Dinh Mao, 2009. *Effect of trash fish species and vitamin supplementation on productivity of Panulirus ornatus juveniles fed moist diets*. In Williams K.C. (ed.) 2009. Spiny lobster aquaculture in the Asia–Pacific region. Proceedings of an international symposium held at Nha Trang, Vietnam, 9–10 December 2008. ACIAR Proceedings No. 132. Australian Centre for International Agricultural Research: Canberra. p126-130.
13. **Le Anh Tuan** and Lai Van Hung, 2009. *Comparison of the biological, environmental and economic efficiency seacage culture of Panulirus ornatus lobsters using different practical diets*. In Williams K.C. (ed.) 2009. Spiny lobster aquaculture in the Asia–Pacific region. Proceedings of an international symposium held at Nha Trang, Vietnam, 9–10 December 2008. ACIAR Proceedings No. 132. Australian Centre for International Agricultural Research: Canberra. p110-116.
14. Lai Van Hung and **Le Anh Tuan**, 2009. *Lobster seacage culture in Vietnam*. In Williams K.C. (ed.) 2009. Spiny lobster aquaculture in the Asia–Pacific region. Proceedings of an international symposium held at Nha Trang, Vietnam, 9–10 December 2008. ACIAR Proceedings No. 132. Australian Centre for International Agricultural Research: Canberra. p10-17.
15. Hambrey, J.B., and **Le Anh Tuan**, 2009. *Start to conduct a technical and environmental risk analysis of current aquatic production systems in Vietnam*. Final report, 2008 SUDA activity 3.2.1, MARD, Hanoi, Vietnam.
16. **Le Anh Tuan** (2005c), “Nutrients Budget and Environmental issues related to lobster cage culture in Xuan Tu village, Van Ninh, Khanh Hoa” in Proceedings of the National workshop on Research and Technologies applied in Aquaculture, 22-23/12/2004 in Vung Tau city, pp 643-653.
17. **Le Anh Tuan** (2005b), Effects of dietary protein and lipid on growth and survival rate of juvenile marble grouper (*Tiger grouper*) *Epinephelus fuscoguttatus*, in experimental conditions”, in Proceedings of The Second National Young Scientists Conference on Agriculture – Forestry – Fisheries, UAF, Ho Chi Minh city, Vietnam.

18. **Le Anh Tuan** (2005a), “Trashfish resources in Vietnamese seawater: species composition, production, major uses and its sustainability when used as direct feed ingredients in aquaculture”, Proceeding of National Workshop of Protection of Environment and Fisheries Resources, 14-15/1/2005 in Hai Phong city, Agriculture Publishing House, Hanoi, Vietnam. pp 379-387.
19. **Le Anh Tuan** and Nguyen Dinh Mao (2004), Present status of lobster cage culture in Vietnam. Proceeding of the ACIAR lobster ecology workshop, 24-30. Institute of Oceanography, NhaTrang, Vietnam.
20. Edwards, P., **Le Anh Tuan** and Allan, G.L. (2004), A survey of marine trash fish and fish meal as aquaculture feed ingredients in Vietnam. ACIAR Working Paper No. 57, Canberra, Australia.
21. Hambrey, J.B., **Le Anh Tuan** and Ta, K.T. (2001), “Aquaculture and poverty alleviation II. Cage culture in coastal waters of Vietnam”, World Aquacult., 32, pp. 34-38.
22. **Le Anh Tuan**, Hambrey, J.B. and Nguyen, T.N. (2000), “Status of cage mariculture in Vietnam”, In: I.Chiu Liao and C. Kwei Lin (Eds.), Cage Aquaculture in Asia, pp. 111- 123, Asian Fisheries Society, Manila and World Aquaculture Society, Bangkok.