

Information on Doctoral thesis of Fellows Hoang Thi Hong Lien

1. Full name: Hoang Thi Hong Lien
2. Sex: Female
3. Date of birth: 23/05/1980
4. Place of birth: Hai Phong
5. Admission decision number: 150/SĐH Dated: July 06th 2005 by the President of Vietnam National University, Hanoi
6. Changes in academic process: None
7. Official thesis title: Environmental planning for recovering and substantial development of aquatic resources of Tien Lang - Hai Phong.
8. Major: Ecology
9. Code: 62.42.60.01
10. Supervisors: Assoc.Prof. Dr. Nguyen Xuan Huan

Dr. Pham Dinh Trong

11. Summary of the new findings of the thesis

The economic and social activities and the status of biodiversity were systematically investigated in Tien Lang District.

Listing additional aquatic species in Tien Lang District, including 20 high economical value species (equal to 33 percent of all high economical value species in Gulf of Tokin).

The status of biodiversity and the change of landscape in Tien Lang were analysed from 1995 to 2010.

Based on researches and surveys on local area, author has created the following component maps:

The vegetation map with 8 typical vegetations

The current ecosystem distribution map with 7 typical ecosystems

The landscape ecology map including 21 landscape layers and 60 landscape sub-layers

The map of change in coastal line from 1995 to 2010

The appropriate farming objects and methods were suggested.

The model of sustainable aquaculture were introduced

With the aim of recovering and substantial developing of local aquatic resources, the Environmental Planning for coastal Tienlang District has provided . It was produced based on the organisms adaptive characteristics with the changing environmental conditions, then the appropriate farming objects and methods was suggested. Finally, the best suitable land use method was selected.

12. Practical applicability:

- Develop the environmental planning for coastal Tiên Lãng District.
- Suggest the suitable aquaculture objects and raising methods based on their adaptive characteristics with the changing of surrounding local environmental conditions.
- Select the reasonable and sustainable way of using aquacultural resources.

13. Further research directions:

- Research further on environmental planning based on the ecological approach.
- Develop the sustainable aquaculture farming models, and then apply the best suitable model on Tien Lang and nearby district.

14. Thesis-related publications:

Nguyen Xuan Huan, Doan Huong Mai, Hoang Thi Hong Lien (2004), "The composition of Fish species of Bach Dang estuary, Quảng Ninh", Elementary researches on life Science, Science and Technology Press, Hanoi, pp. 121-122.

Nguyen Xuan Huan, Hoang Thi Hong Lien, Thach Mai Hoang, Hoang Trung Thanh, Tran Minh Khoa (2004), "Preliminary data on biological diversity and aquatic resources of Tiên Lãng coastal wetlands", Periodical of Science Volume 20 (2), pp. 16 - 21.

Hoang Thi Hong Lien, Dinh Tra Mi, Nguyen Huu Nhan (2007), "The present exploitation and farming of aquacultures at Tien Lang's coastal wards and suggested planning orientation", Elementary researches on life Science, Science and Technology Press, Hanoi, pp. 522 - 525.