

Information on Doctoral Thesis of Fellows Nguyen Dinh Thai

Official thesis title: ***Studying sedimentary environment changing in Late Holocene oriented sustainable development planning in Dong Nai estuary***

1. Full name: NGUYEN DINH THAI

2. Sex: Male

3. Date of birth: 10th September, 1981

4. Place of birth: Quang Binh province

5. Admission decision number: NQ: 5429/QĐ-SĐH on 30/10/2008 issued by the President of Vietnam National University, Hanoi.

6. Changes in academic process: None

7. Official thesis title: *Studying sedimentary environment changing in Late Holocene oriented sustainable development planning in Dong Nai estuary.*

8. Major: Using and protecting the environment resources

9. Code: 62851501

10. Supervisors:

1- Prof. Dr Tran Nghi

2- Assoc Prof. Dr Dang Van Bao

11. Summary of the new findings of the thesis

- To identify the rule of sedimentary environment changing in Dong Nai estuary area following to space-temporal scale occurring from Late Holocene (~ 3.000 B.P) to present in relation to sea level change.

- To research the distribution and accumulation of organic matter and heavy metal pollutants taking place in Thi Vai tidal channel and Dong Nai estuary area by litho-hydrodynamic process.

12. Practical applicability, if any:

It is the important of results to support territorial planning, implement feasibility projects in the near future, and organize prevention plan, damage mitigation oriented sustainable development.

13. Further research directions, if any

To improve and complete the planning solutions for resolving pollution problems in Thi Vai tidal channel by transferring fresh water source from Dong Nai river.

14. Thesis-related publications:

[1] Tran Nghi, Dinh Xuan Thanh, Dang Mai, Nguyen Dinh Thai, Nguyen Thi Thanh Nhan, Hoang Phuong Thao (2008), "Sedimentary evolution and related pollution in Dong Nai river mouth area and Thi Vai channel system", *Journal of Marine science and technology* 4(T8), pp. 1-18.

[2] Tran Nghi, Dinh Xuan Thanh, Dang Mai, Nguyen Dinh Thai, Tran Thi Thanh Nhan, Hoang Phuong Thao (2008), "Geochemical characteristics and pollution status of the downstream of Dong Nai-Sai Gon river", *Proceedings First national scientific symposium on marine geology: Marine geology of Vietnam and sustainable development* (1), pp. 592-602.

[3] Tran Nghi, Dinh Xuan Thanh, Tran Thi Thanh Nhan, Nguyen Dinh Thai (2009), "Sequence stratigraphy of Quaternary depositions on the land and at the continental shelf of Vietnam", *VNU Journal of Science, Earth Sciences* 25 (No.1), pp. 32-39.

[4] Tran Nghi, Nguyen Dinh Thai, Pham Thu Thao, Nguyen Thi Tuyet Nhung, Dinh Xuan Thanh, Tran Thi Thanh Nhan, Nguyen Thi Huyen Trang, Tran Thi Dung (2013), "Impact assessment of modern sea level rise to the process of coastal erosion in Vietnam and proposed response solutions", *Journal of Vietnam Science and Technology, Ministry of Science and Technology* 644 (1/2013), ISSN 1859-4794, pp. 44-50.