

INFORMATION OF PhD THESIS

Thesis title: Research on biodiversity and resources of sponge (Porifera) in some Vietnam's coastal waters and evaluating materials for medical and pharmaceutical purposes.

Specialization: Aquatic Bioscience

Code: 9420108

PhD student: Nguyen Van Hieu

Supervisors: 1. Dr. Nguyen Khac Bat;

2. Dr. Do Cong Thung

Training organisation: Research Institute for Marine Fisheries

1. Thesis contents:

Thesis contents include: 1) Research on the sponge species composition in 04 coastal areas in Vietnam; 2) Studying the characteristics of sponge resources in 04 coastal areas in Vietnam; 3) Evaluating the resources of some sponge groups that have the potential for medical and pharmaceutical purposes.

2. The novel contribution of the thesis:

This thesis is considered the first research in Vietnam that fully and comprehensively studied sponge biodiversity, resources, community structure and ecological distribution in 04 islands (Co To, Hai Van-Son Cha, Phu Quy, Phu Quoc). Three new species were also added to the list of marine sponge species in Vietnam.

For the first time, the potential resources of 38 species/group of sponge species have been evaluated in terms of pharmaceutical value with an estimation of 13,824 tons distributed in those four study areas.

3. Practical applications from this thesis and need to do further studies:

Provide the most complete data on the sponge biodiversity, ecology and marine community resources in 04 areas in Vietnam's waters. The research results are new data providing an important scientific basis to help management plan for sustainable exploitation and use of resources in the future.

Continuing to research, applying modern techniques in the taxonomy of sponges, researching and developing natural material areas and developing sponge farming to sustainably supply high-value materials for medical and pharmaceutical purposes.

SUPERVISORS

PhD STUDENT

Dr. Nguyen Khac Bat

Dr. Do Cong Thung

Nguyen Van Hieu

AUTHENTICATION OF TRAINING ORGANISATION