Information on Doctoral thesis of Fellows Nguyen Huy Nam

1. Full name: Nguyen Huy Nam

2. Sex: male

3. Date of birth: 14/02/1961

4. Place of birth: Ha Noi

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

6. Changes in academic process: Decision 680/QĐ-SĐH, dated 01/6/2010 on modification of the thesis title by the Rector of VNU University of Science

7. Official thesis title: Research some biologically active substances in starfish *Astropecten polyacanthus* create functional foods for athletes athletics

8. Major: Biochemistry

9. Code: 62 42 30 15

10. Supervisors:

Assoc.Prof.Dr. Bui Phuong Thuan

Prof.Dr. Le Quy Phuong

11. Summary of the new findings of the thesis

This is the first study evaluating the content of a number of biologically active substances (steroids activities, mineral trace elements) and concentration of the amino acid composition in a starfish Astropecten polyacanthus.

The first research works created hydrolysis using papain extracts enriched a number of biologically active steroid hormones, trace elements, composition and concentration of amino acids in the starfish Astropecten polyacanthus

The first time Bionamine energy production staff for athletes from domestic materials are starfish Astropecten polyacanthus

The first project studies on experimental animals and evaluate the efficiency enhancing effects of physical energy products Bionamine members from starfish Astropecten polyacanthus for athletes athletics.

12. Paratical applicability, if any:

This is the first producer who rose to power Bionamine athletes from domestic materials is *Astropecten polyacanthus* starfish. During the research the author has done a very specific studies on experimental animals and in athletics athletes showed very good results.

With each year our country needs a moneys billions to import drugs and functional foods for athletes. Thus the results of the thesis will be transferred in the application of sports training center, the University Sports, the sports federations in the country as well as athletes.

In addition, the product also provides for the armed forces, miners, laborers heavy objects, people go to the beach, to the mountains, frail or elderly people.

The products pep pill energy Bionamine have effectively enhance physical health and recovery. Now, some provinces such as Quang Ninh, Ha Tinh requests for technology acquisition program to cater for the new Rural Construction. Way of contributing to the policies of the Party and State is developing internal resources from domestic resources. The People of Vietnam used goods of Vietnam, The goods of domestic products, exceptional quality. From the inner product will bring many good effects and safety bring health to everyone

13. Further research directions, if any

- The results of the thesis research opens a new direction in the extraction of bio-pharma active active substances to exploit marine and deep processing of seafood specialties of Vietnam.

- Direction of thesis research will inspire a new direction in the application of modern technology to upgrade traditional medicine in Vietnam to serve economic production of the country

14. Thesis-related publications:

[1] Nguyen Huy Nam, Le Quy Phuong, Bui Phuong Thuan (2010), “Research some biologically active substances in 3 starfish Vietnam”, *Journal of Science and Technology,* Volume 48(6A), p. 158-164.

[2] Nguyen Huy Nam, Bui Phuong Thuan, Le Quy Phuong, (2010), “Application of enzyme technology extracts a number of biologically active substances from starfish *Astropecten polyacanthus* as functional foods”, *Journal of Science and Technology,* Volume 48(6A), p.425-431.

[3] Nguyen Huy Nam, Le Quy Phuong, Bui Phuong Thuan (2011), “Study the effects of energy Bionamine members can strengthen the health of athletes and athletics”, *Journal of Sport Science*, $N_{o.}$ 1/2011, p.68-76.

[4] Nguyen Huy Nam (2013), “Study the effects of energy Bionamine members can strengthen the health of athletes and athletics”, *Journal of Sport Science*, $N_{o.}$1/2013, p.68-76.