



# NTU Update

THE QUARTERLY NEWSLETTER OF NHA TRANG UNIVERSITY - MARCH 2013

VOL.1-2013



## NTU OPEN DAY 2013



### INSIDE THIS ISSUE:

External Collaboration.....	(p.1-2)	Student Activities.....	(p.6)
Events.....	(p.3-4)	News in Brief.....	(p.7)
Research & Creative Activities.....	(p.5)	Enrollment.....	(p.8)

# EXTERNAL COLLABORATION

## CONTENTS:

### External Collaboration (p.1-2)

- Visits to Hue University and Da Nang University
- Student Exchange with Jan Evangelista Purkyně University in Ústí nad Labem (UJEP), Czech Republic
- Shipbuilding Engineering Students to Study at Ulsan College, Korea
- Visit from Hanseo University, Korea
- Visits to James Cook University – Singapore and The University of Indonesia

### Events (p.3-4)

- Discover NTU with "NTU Open Day 2013"
- Celebrating the 10<sup>th</sup> Anniversary of the Information Technology Faculty
- Viet - Thai Culture Night
- Flower and Fruit Decoration Contest on International Women's Day
- SRV2701 Project Final Meeting

### Research & Creative Activities (p.5)

- Project: "Isolating, Screening and Analyzing Biological Characteristics of Marine Bacteria that Produce Bacteriocin Used as Multi-functional Drugs in Aquaculture" - Dr. Nguyen Van Duy
- Project: "Studies on Properties and Preservation of Sperm of Waigieu Seaperch *Psammoperca waigiensis*" - Dr. Le Minh Hoang

### Student activities (p.6)

- Celebrate the 82<sup>nd</sup> Anniversary of Youth Union
- NTU Students to Protect the Environment - Present National Flags to Spratly Islands' Fishermen
- Student Gala to Celebrate 63<sup>rd</sup> Anniversary of Vietnamese Students' Day

### News in brief (p.7)

- Thank Retired Staff and Families on Tet Holiday
- Tet gifts to People in Khanh Dong Commune - Khanh Vinh District, Khanh Hoa
- Conference to Develop the NORHED Project
- Training Course on Writing for Publication and Research Grant Proposals
- Soft Skills Training for Students

### Enrollment (p.8)

- Career Consultancy for the 2013 Candidates
- Enrollment Target of NTU in 2013

### Back Page

- Center for Aquatic Animal Health and Breeding Studies

## Visits to Hue University and Da Nang University

A delegation of NTU including representatives of 6 departments and faculties visited Hue University and Da Nang University in early March to strengthen and promote cooperation with universities in the central area.

The meetings provided opportunities for participants to discuss and exchange experiences in training management, scientific research, and external cooperation. Each university also agreed to a commitment to advance more cooperative activities based on the strengths of the respective university, starting with improving the joint programs among the universities.



NTU delegation with leaders of Hue University



NTU delegation with leaders of Da Nang University

## Student Exchange with Jan Evangelista Purkyně University in Ústí nad Labem (UJEP), Czech Republic

An exchange program between NTU and Jan Evangelista Purkyně University in Ústí nad Labem (UJEP), Czech Republic, has brought 4 master students from UJEP to join the training course on Waste Treatment and Resource Management at the Institute for Biotechnology & Environment, NTU from January 2013 to June 2013.

The course offers students various learning experiences, not only from lectures but also from participation in seminars under the instruction of experts in the field and discussion with professors and master students of the Institute for Biotechnology & Environment. The program organizers also conduct many useful fieldtrips to farming stations and factories in Khanh Hoa and nearby provinces for them. In addition, living on a bustling campus brings them a unique opportunity to immerse themselves in Vietnamese culture. This cooperation has been carried out for two years, and NTU has received 4 groups of students from UJEP.



Czech students at Nha Trang University

# EXTERNAL COLLABORATION

## Shipbuilding Engineering Students to Study at Ulsan College, Korea

January 9<sup>th</sup>: the Faculty of Transportation Engineering of NTU and Ulsan College, Korea interviewed and selected 7 NTU students to study at Ulsan College.

According to the cooperation plan, the Faculty of Transportation Engineering will annually select a number of excellent juniors majoring in shipbuilding engineering to study at Ulsan College. After one year studying in Korea, students will receive certificates and return to Vietnam to complete their theses. To date, 23 students have been sent to and successfully completed their studies at Ulsan.



NTU students at Ulsan College

## Visit from Hanseo University, Korea

March 24<sup>th</sup>: NTU leaders had met and discussed with the delegation of Hanseo University, Korea.

At the meeting, the two parties discussed and agreed on several cooperation possibilities including Hanseo University sending students to participate in summer programs at NTU, NTU faculties to visit and give lectures at Hanseo University, and NTU and Hanseo University establishing a joint program. The Rector of NTU and some NTU's staff will visit Hanseo in early April to further discuss the collaboration agreement.



Delegation from Hanseo University visit NTU Institute for Ship Building



Delegation from Hanseo University and NTU leaders



## Visits to James Cook University - Singapore and The University of Indonesia



NTU delegation at JCU – Singapore

January 11<sup>th</sup>: A delegation consisting of 3 members from the Department of External Affairs, the Faculty of Economics and the Faculty of Civil Engineering visited James Cook University in Singapore. At the meeting, the two sides discussed the possibilities of: (1) organizing short training courses for NTU's faculties and students at JCUS; (2) offering favorable transfer or admission conditions for NTU's undergraduate and master students to study at JCUS; and, (3) exchange of faculties. JCUS is especially interested in developing a partnership with the Economics Faculty of NTU. NTU has signed an MOU with JCU in Australia.

March 18<sup>th</sup> - 21<sup>st</sup>: Representatives of NTU from the Department of External Affairs, Faculty of Civil Engineering and Faculty of Economics paid a visit to the University of Indonesia. At the meeting, the two parties discussed and agreed on a number of cooperation activities related to training and research, student and faculty exchange, and short courses for students in economics and tourism majors. The meeting also discussed a MOU to create a legal premise for formal and long-term cooperation between the two universities.



NTU delegation at Indonesia University

# EVENTS

## Discover NTU with NTU OPEN DAY 2013

March 17<sup>th</sup>: NTU organized the "NTU Open Day 2013" with the participation of more than 1,000 high school students and parents from Khanh Hoa province, Phu Yen province and Ninh Thuan province.

On this occasion, students and their parents had a chance to explore NTU via a vibrant exhibition of training, research activities, and achievements in training and scientific research. Participants were taken on exciting campus tours which gave them understanding of NTU's history, student life, facilities, laboratories, library, dormitories, lecture halls and museums. They were also given information about enrollment, majors, scholarships and jobs opportunities...

This is the first time NTU organized this event and it has received much appreciation from the public.



*Open Day 2013 provided career guidance to more than 1,000 high school students in the Central South area*

## Celebrating the 10<sup>th</sup> Anniversary of the Information Technology Faculty

January 17<sup>th</sup>: the Faculty of Information Technology celebrated its 10<sup>th</sup> Anniversary (17/01/2003 - 17/01/2013). At the ceremony, Dean - Dr. Do Nhu An reviewed the establishment and development of the Faculty over the past 10 years from the Informatics Department (1990) under the Faculty of General Sciences.

The Faculty currently has 45 members (4 Ph.D.s and 30 masters), and has graduated approximately 1,000 IT students.



# EVENTS

## Viet - Thai Culture Night

March 22<sup>nd</sup>: NTU and University of Udon Thani Rajabhat, Thailand organized a Viet-Thai culture gala at Nha Trang University. At the gala, students from the two universities performed traditional as well as modern songs and dances from both cultures. The audience also had the opportunity to watch performances by international students at NTU (Laos and Rwanda students) at the gala.

The successful cultural exchange event created very positive impressions for both the performers and audience, thus strengthen the relationship between NTU and Udon Thani Rajabhat University.



## Flower and Fruit Decoration Contest on International Women's Day

March 8<sup>th</sup>: NTU Staff Union organized a flower and fruit decoration contest to celebrate the International Women's Day with the participation of all faculties and staffs.

20 creative works with unique artistic decorations were displayed at the contest. The contest was an occasion to improve, strengthen and foster solidarity among NTU staff. Events like this have become a tradition at NTU, where employees gather together to create works to express the beauty of Vietnamese culture.



## SRV2701 Project Final Meeting

March 20<sup>th</sup> - 21<sup>st</sup>: The Final Meeting of the SRV2701 Project "Improving training and research capacity of Nha Trang University, Vietnam - Phase 2" was held at NTU.



Phase 2 was a continuation of successful achievements of Phase I of the same project supported

by Norwegian Agency for Development Cooperation (NORAD) via the Royal Norwegian Embassy in Hanoi and Norwegian partner universities (University of Tromso, Norwegian University of Science and Technology and University of Bergen).

The meeting reviewed outstanding achievements of the project including, among others, contributions to develop human resources, improve training and research capacity, renovate and upgrade facilities, and enhance NTU's capability for international integration as well as domestic ranking.

Norwegian and NTU representatives also discussed and proposed future cooperation plans regarding various aspects including climate change studies for fisheries and marine aquaculture, fishery economics, utilization of by-products from shrimp and fish processing, disease prevention and treatment, environment management for marine aquaculture, fishery resource management, and strengthening capacity in the field of fisheries and aquaculture.

# RESEARCH & CREATIVE ACTIVITIES

## Project:

**“Isolating, Screening and Analyzing Biological Characteristics of Marine Bacteria that Produce Bacteriocin Used as Multi-functional Drugs in Aquaculture”**

**- Dr. Nguyen Van Duy -**



Dr. Nguyen Van Duy

The project aims to screen (*in vivo* and *in vitro*) and define the biological characteristics of marine bacteria that produce bacteriocin, as well as its bacteriocin's nature, to generate new knowledge about the biodiversity, physiology, ecology and evolution of marine microorganisms and to use them as multi-functional drugs for anti- and pro-biotics in aquaculture.

Initial research activities include screening and preserving more than 20 strains of marine bacteria that produce bacteriocin isolated from marine animals, identifying and researching the phylogenetic relationships of more than 10 species of bacteriocinogenic bacteria, defining phenotypic and genotypic characteristics as well as characteristics in stability, activity spectrum and activity mechanism of raw bacteriocins.



The anti-bacterial activity of a bacterium producing bacteriocin was completely deactivated when treated with the protease

## Project:

**“Studies on Properties and Preservation of Sperm of Waigieu Seaperch *Psammoperca waigiensis*”**

**- Dr. Le Minh Hoang -**



Dr. Le Minh Hoang

The project aims to identify physio-biochemical properties, optimal factors for sperm motility and optimal conditions for preservation of sperm of Waigieu Seaperch, *Psammoperca waigiensis*.

Initial research attempts are to determine physical and biochemical properties of the sperm; dilution rates, pH, temperature, cations, and

osmolality for sperm motility; and, dilution rate, extender, temperature and the best antibiotic for sperm in cold storage.

The findings of this research will benefit the reproduction of Waigieu Seaperch, and help build a sperm bank for this species as one kind of marine finfish in Khanh Hoa and central Vietnam.



Examine Waigieu Seaperch's maturity



Obtain Waigieu Seaperch's sperm

# STUDENT ACTIVITIES

## Celebrate the 82<sup>nd</sup> Anniversary of Youth Union

On the evening of March 24<sup>th</sup>, the NTU Youth Union hosted a music contest to celebrate the 82<sup>nd</sup> Anniversary of Communist Youth Union (26/03/1931 - 03/26/2013) with the participation of 11 youth union units from faculties and institutes.

The teams brought to the audience great performances of dances and songs praising glorious traditions and contributions of the Youth Union to the development of the country over the past 82 years.

The NTU Youth Union presented certificates and awards to 9 individuals and 5 units for their excellent participation in youth union activities in AY 2012 - 2013.



### NTU Students to Protect the Environment

March 3<sup>rd</sup>: 500 members of the NTU Youth Union cleaned the sandy beaches of Nha Trang Bay; removing advertising stickers on light poles, roadside walls; trees, etc. These activities aim to raise everyday awareness of protecting the environment, building and keeping the town clean and green.

### Present National Flags to Spratly Islands' Fishermen

March 3<sup>rd</sup>: The NTU Youth Union also presented national flags to fishermen of Spratly Islands, an activity to raise awareness among youth of patriotism and national spirit.



### Student Gala to Celebrate 63<sup>rd</sup> Anniversary of Vietnamese Students' Day



December 28<sup>th</sup> 2012: NTU Student Union organized a Music Gala to celebrate the 63<sup>rd</sup> anniversary of Vietnamese Students' Day (9/1/1950- 9/1/2013).

At this event, the Vietnam Study Encouragement Association and the sponsor Vietnammobile awarded 12 scholarships to excellent students. NTU Student Union also presented certificates of merit to 96 students for their outstanding contributions in youth union activities.



# NEWS IN BRIEF

## Thank Retired Staff and Families on Tet Holiday

January 1<sup>st</sup>: A meeting was held with retired faculties and staff to welcome the Year of Snake. The event was organized to update retired employees on the activities and achievements of NTU in 2012, and to pay tribute to their great contributions to the development of the university. Vice-Rector Dr. Do Van

Ninh chaired the meeting on behalf of NTU's Communist Party Committee and Rectorial Board.

All retired faculty and staff received gifts from NTU for this occasion. Presents were also sent to parents of staff on their 70<sup>th</sup>, 75<sup>th</sup>, or 80<sup>th</sup> birthday celebrations in the Year of Snake.



## Tet Gifts to People in Khanh Dong Commune - Khanh Vinh District, Khanh Hoa

February 1<sup>st</sup>: a delegation from NTU visited and gave gifts to 86 poor households of Khanh Dong commune in Khanh Vinh mountainous district of Khanh Hoa province. The gifts included rice, fish sauce, cooking oil, and sugar with a total value of nearly 20 million VND.

The delegation also sent New Year's greetings to the Commune's Communist Party Committee and people of Khanh Dong commune. Leaders of Khanh Vinh district and Khanh Dong commune appreciated and thanked NTU for sharing with and helping poor people in the area.



## Conference to Develop the NORHED Project

In the framework of "The Norwegian Program for Capacity Development in Higher Education and Research for Development" (NORHED) funded by The Norwegian Agency for Development Cooperation (NORAD) for developing countries, a seminar was held at NTU from January 28<sup>th</sup> to February 1<sup>st</sup> with the participation of experts from Norway, Sri Lanka and Bangladesh to develop the application for a project entitled "Incorporating Climate Change into Ecosystem

Approaches to Fisheries and Aquaculture Management in Bangladesh, Sri Lanka and Vietnam".

NTU and partners from Norwegian institutions (University of Tromso, University of Bergen) and the South partners (University of Ruhuna - Sri Lanka, University of Dhaka - Bangladesh) had received seed funding to develop this project. The project, if approved, will focus on training highly-qualified human resources (master, doctor, post-



doc) and conducting research to cope with climate change challenges and environment and natural resource management issues.

## Training Course on Writing for Publication and Research Grant Proposals

March 4<sup>th</sup> - 5<sup>th</sup>: NTU organized a training course on writing scientific papers and research proposals for domestic and international funding for young staff and female lecturers. The training course pro-

vided participants with the basics of writing scientific articles, research grant proposals, and regular procedures for evaluation and review for funding grants.



## Soft Skills Training for Students

March 24<sup>th</sup>, NTU organized a training course on soft skills for more than 100 students. This activity is among the planned activities of the SRV-12/0043 project supported by the Royal Norwegian Embassy in Vietnam. The previous course was organized in December 2012.

An expert on soft skills from Tam Viet Company, a leading corporation specializing in training soft skills in Vietnam, took part in the training, giving presentations on how to be self-confident, how to overcome challenges when presenting in front of a crowd, and how to make good presentations.





# ENROLLMENT

## Career Consultancy for the 2013 Candidates



March 2<sup>nd</sup> - 3<sup>rd</sup>: NTU jointly organized an event to provide guidance to help make decisions on careers and college studies for 12<sup>th</sup> grade pupils of high schools in Van Ninh district, Khanh Hoa province.

At the event, pupils were informed of specialties and training programs at NTU. Useful information on benchmark scores, tuition, social demands and employment opportunities, etc. was provided to the participants by representatives from NTU. On the occasion, NTU also awarded scholarships to poor pupils who have outstanding academic results.



Bachelor's degree		
No.	Program	Target
1	Fishing Technology	50
2	Navigation	50
3	Automotive Engineering	80
4	Machine Engineering	80
5	Mechanical Engineering	50
6	Mechatronic Engineering	80
7	Electrical & Electronic Engineering	100
8	Civil Engineering	120
9	Heating & Refrigeration Technology	80
10	Information Technology	120
11	Information System Management	50
12	Ship Engineering	80
13	Environment Technology	100
14	Biotechnology	100
15	Food Technology	200
16	Aquatic Product Processing	100
17	Agricultural Economics	60
18	Business Administration	100
19	Tourism Management	150
20	Trade Business	100
21	Accounting	100
22	Finance - Banking	100
23	English Language	150
24	Aquaculture	100
25	Aquatic Resource Management	50
26	Fish Pathology	50
27	Chemical Technology	70
28	Postharvest Technology	70

## Enrollment Target of NTU in 2013

Total enrollment of NTU in 2013 is 3,400 for all programs, an increase of 200 compared to the target of 2012. The Ministry of Education and Training (MOET) has approved NTU to recruit students for two new programs in 2013, Chemical Technology and Post-harvest Technology.

As usual, NTU recruits students from all over the country. Examinations and recruitment criteria are in accordance with the regulations of the MOET. There will be no exams for associate programs. Candidates for these programs will be reviewed based on their results of the general examinations in groups A, A1, B, D1, D3.

Advanced associate's degree		
No.	Program	Target
1	Heating & Refrigeration Technology	60
2	Navigation	70
3	Electrical & Electronic Engineering	70
4	Mechatronic Engineering	70
5	Food Technology	150
6	Aquatic Product Processing	100
7	Aquaculture	120
8	Information Technology	120
9	Accounting	150
10	Business Administration	100





## CENTER FOR AQUATIC ANIMAL HEALTH AND BREEDING STUDIES

The center was established in August 2007 inheriting facilities and scientific research of the project "Research and training in aquaculture in Vietnam" supported by the Norwegian Council of Universities Committee for Development Research and Education (NUFU).

The center has the responsibility to conduct research, complete and transfer techniques in diagnosing methods, health protection, disease prevention, industrial processes of producing artificial breeds of some marine fish and species with economic values. The center provides support for training, research and cooperation activities of the university in the field of aquaculture.

At present, the center is transferring techniques of producing the artificial breed of *Lates calcarifer* to some local businesses. Concurrently, a research on the response of barramundi's immune system to *Streptococcus iniae* bacteria is taking place at the center. Plans to produce vaccines to protect barramundi from this kind of bacteria are under way. The center has also started experiments to produce breeds of spiny lobsters (*P. ornatus*) by an artificial reproduction process in Khanh Hoa.



Tanks for Fish Larvae Nutrition Research



Outdoor Algae Culture



Waigieu Seaperch larvae by artificial reproduction techniques (above) and a mature Waigieu Seaperch – one of the successful products of the Center



The Center in NTU's main campus

### Upcoming Events



Student Exchange Program with Ohio University – The Global Leadership Center (May 4 – 17)

Vietnam Education Foundation Conference (June 14 – 16)