

NEWSLETTER

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Inside this issue

NHA TRANG UNIVERSITY



2 AUF (Francophone University Association) visits NTU



6 Training course on bio-energy



8 NTU staff participate in the 5th national fisheries conference for young researchers



9 Producing sauce from anadara anti-quata by commercial enzyme protease



INAUGURATION OF NTU'S NEW RECTOR

In the morning on December 18th, 2014, Nha Trang University (NTU) solemnly held a ceremony to announce the inauguration of a new Rector to continue the rector term of 2011-2016. Attending the ceremony were Mr. Le Xuan Than - Vice Chairman of Khanh Hoa province's People Committee, Mr. Ngo Manh Hai - Deputy Director of Personnel Department- Ministry of Education and Training (MOET) and over 600 NTU faculty and staff.

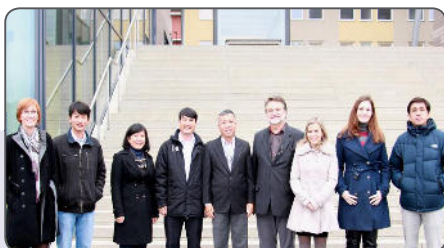
At the ceremony, representatives of MOET has announced the decision to appoint Associate Professor **Trang Si Trung** – former Vice Rector of NTU – as Rector of NTU for the rest of the rector term 2011-2016. Dr. Vu Van Xung stepped down from the rector position upon retirement and transferred to academic work.

AUF VISITS NTU



faculty, staff, and students of NTU in France. AUF has also supported the bilingual Vietnamese - French bachelor programs in Seafood Processing, and Business Administration at NTU.

Currently, the AUF has nearly 800 member universities in 98 countries which speak French or use French as the instruction language. There are 43 schools in Vietnam joining this organization. AUF's task is to strengthen unity among the Francophone universities and develop training and research in French language while respecting cultural and linguistic diversity.



NTU VISITS JAN EVANGELISTA PURKYNE (UJEP) UNIVERSITY

NTU's delegation headed by Associate Prof. Trang Si Trung – Vice Rector – visited UJEP, Czech Republic. The delegation discussed with Vice Rector, Head of the International Cooperation Department, and leaders of the Faculty of Environment regarding student exchange programs and developing collaborative research projects. In the past few years, UJEP has sent students to participate in training programs at NTU. NTU's Institute of Biotechnology & Environment and the Faculty of Environment – UJEP have written a joint research project. Leaders of the two universities agreed to continue promoting activities and expanding cooperation in fields that both are interested in.

COLLABORATION DISCUSSION WITH KAOHSIUNG UNIVERSITY OF APPLIED SCIENCES (TAIWAN)

In a meeting at NTU on November 3rd, 2014, Associate Professor Dr. Jen Der Day – Dean of International Relations of Kaohsiung University of Applied Sciences and Associate Professor Dr. Trang Si Trung – Vice Rector of NTU had a discussion about promoting cooperation between the two universities which centered on cooperation in graduate and bachelor training programs, and staff and student exchange through short training courses.

In 2012, Kaohsiung University of Applied Sciences offered two doctoral scholarships for NTU staff studying in Taiwan.



VLIR NETWORK PROJECT'S JOINT NETWORK STEERING COMMITTEE MEETING - 2014



From **December 9th - 11th, 2014**, the Programme of network university cooperation for research-based education on Bioscience for food in Vietnam (VLIR-Network Vietnam), Phase I, 2013-2018 had organized the Joint Network Steering Committee Meeting of 2014.

At this meeting the members of the Steering committee, Project leaders and Program Supporting Unit had reviewed results of the first year (AP2013), progress of the second year (AP2014) and prepared the activities for the next year. Project members agreed on the master's programs in English for aquaculture and food technology. Enrollment of these programs will start in 2016. The Steering Committee also discussed and established a Joint program committee to be responsible for linkage of graduate training in the network. The minutes of the meeting was signed in witness of members of the network in Belgium (Ghent University and the University of Leuven).



Project members in the network signed to establish the Joint Program Committee

MOU WITH TAY BAC UNIVERSITY

On **November 10, 2014**, in a meeting between Dr. Vu Van Xung – Rector of NTU and a delegation from Tay Bac University led by Dr. Nguyen Van Bao – Rector, the parties discussed and signed a Memorandum of Understanding (MoU) on human resource training, scientific research, technology transfer, and relevant issues. The focus of the MoU is collaboration in human resource training, scientific research, technology transfer, and training in northwest Vietnam's freshwater aquaculture.

Not only does the establishment of the partnership between the two universities promote comprehensive development of each partner in scientific research and technology transfer, but it also contributes to the development of the northwest area's potential and for poverty alleviation among the local people.



COLLABORATION BETWEEN FACULTY OF MECHANICAL ENGINEERING AND SEAFOOD COMPANIES AND SOUTHWEST TRAINING CENTERS

From October 19th – 24th, 2014, a delegation from the Faculty of Mechanical Engineering had a fieldtrip to survey and to promote cooperation with seafood processing companies, and a training center in southwest of Vietnam.

The Faculty of Mechanical Engineering proposed mechanization and automation in many phases of basa fish (*Pangasius*), squid, and frozen shrimp processing for export, and signed a Memorandum of Understanding on the cooperation of scientific research for production. The delegation had a discussion with Ca Mau Economic Technical Secondary School to reach a mutual agreement on the contents of collaboration in training staff, building a training program, and, human resource training for Ca Mau province.

WORKSHOP ON KNOWLEDGE, SKILLS AND ATTITUDES OF STUDENTS AND REQUIREMENTS OF CONSTRUCTION COMPANIES



On September 16th, 2014, the Faculty of Civil Engineering organized a scientific workshop on “Knowledge, skills, attitudes of students and the requirements of construction companies” with the participation of representatives of construction companies, designing consultancy units, chief operating officers in construction, the staff of the Department of Construction and Khanh Hoa Road and Bridge Engineering Sciences Association. The delegates participating in the workshop gave advice; answered students’ questions related to career orientation, jobs, construction companies’ point of view on recruitment, knowledge, skills, and attitudes of an construction engineer, etc.

At the workshop, The Faculty of Civil Engineering signed MoUs with 4 companies (Thien Phuc Construction and Consulting Co. Ltd, Hoang Ha Investment and Construction SJC, Hoa Binh Architectural Consulting and Construction Co. Ltd, and Song Hong Construction No. 1 SJC) on human resource training, and practical support. These companies gave scholarships with a total value of 25 million VND to the Faculty’s Fund for Education Promotion.

SIGNING MOU WITH TRUONG HAI AUTO (THACO)



In the program of “THACO - Starting Entrepreneurship” for students from Faculty of Economics and Faculty of Transportation Engineering, on October 28th, 2014, NTU and Truong Hai Auto Corporation signed a memorandum of understanding (MoU) on human resource training, technology transfer, practical support, and introducing good and excellent students to the Corporation’s recruitment. The collaboration was an opportunity for enhancing staff professional standards and qualifications, research development, applying and transferring technology, and exchanging information on the revision of teaching programs carried out contributing to the sustainable development of the Company and the University in the long run.

On this occasion, the leaders of THACO’s southern branch exchanged information with students about career orientation, and job interview experience; they also recruited and awarded 10 scholarships for good and excellent students from impoverished families.



EXCHANGE OF INFORMATION ABOUT THE APPLICATION OF LIGHTWEIGHT MATERIAL IN CONSTRUCTION

In order to help students approach technology in construction and new eco-friendly material solutions, which are applied in construction and bring high economic efficiency, on **October 19th, 2014**, the Faculty of Civil Engineering together with Vinh Tuong Industrial Joint Stock Company held a panel discussion between the company and students about the application of lightweight materials in construction. Representatives from the company provided information on: products, solutions and the application of lightweight materials, common trends; techniques and new solutions in construction; Calcium Silicat Duraflex panels, Durawood panels, etc. Students exchanged information, got answers about issues related to their major, career orientation, and expressed their ideas about the application of lightweight materials in construction on water.

In the future, the Faculty of Civil Engineering will cooperate with Vinh Tuong Industrial Joint Stock Company to organize short training courses on construction techniques of new materials for students. The Company will also support consultation, career orientation, and jobs for students of the Faculty.



CAREER FAIR: "FUTURE FOR YOU"



Vietnam National Union of Students and the South Central Aquaculture Investment Ltd. Company organized a "Career Fair-Future for you" for the first time on **November 16th, 2014**. At the Fair, the company directly offered advice and career orientation and interviewed and recruited nearly 300 positions for the Company trade and manufacturing departments. Recruited Candidates are supported with training costs, placed on probation, and allowed to participate in activities at the Company.

On this occasion, the Company awarded 12 scholarships (1 million VND each) to excellent students contributing to the activities of Communist Youth Union. This was the first time the company had participated in holding a Career Fair, giving advices and conducting job interviews at NTU.

TRAINING COURSE ON BIO-ENERGY



In the framework of the project “Support the education and research capabilities for human resource training of sustainable energy and bio-mas in Vietnam” last November and early December 2014, 10 scientists from different institutions of Republic of Korea, including the Institute of Science and Technology, Korea Institute of Energy Research, Korea University, Pukyong National University, Gyeongsang National University and Korea Research Institute of Chemical Technology have come to Nha Trang to teach two courses in bio-energy for staff and graduate students of NTU and the Institute for Research and Application of Technology in Nha Trang (NITRA).

The first course was held from 24-26 November in NITRA. The second course was held from 15-17 December at NTU with the participation of 45 students. The third course will be held at NITRA from 10 - 12 January, 2015 in which scientists will focus on discussing the process of creating bio fuels.

TRAINING COURSE ON FOOD SAFETY OF MUTRAP AT NTU

Within the framework of working programs supported by the European Trade Policy and Investment Support Project (EU-MUTRAP), November 7th, 2014, NTU and SPS Vietnam (Vietnam Sanitary and Phytosanitary Notification Authority and Enquiry Point - Ministry of Agriculture and Rural Development) held a training course to provide information on “food safety requirements for access to the EU market – the case of fish and molluscs.”



INTERNATIONAL TRAINING COURSE ON “BROODSTOCK AND BREEDING MANAGEMENT IN AQUACULTURE”



The second international training course on “Broodstock and breeding management in Aquaculture” took place from October 10th – 17th, 2014 at NTU. The training course was held in coordination with the Network of Aquaculture Centers in Asia-pacific (NACA), the Institute of Aquaculture (NTU), the Fisheries Training Programme of Iceland (UNU-FTP), Holar University (Iceland) and Deakin University (Australia).

Nearly 50 trainees who are experts and employees working in hatchery production from Bangladesh, China, India, Malawi, Maldives, the Philippines, Sri Lanka, Thailand, and Vietnam, etc., were equipped with basic knowledge of managing broodstock

and breeding in aquaculture. From this, the capacity of management was strengthened, and the quality of hatcheries enhanced. This course also contributed to the sustainable development of the aquaculture in Asia-pacific in general and Vietnam in particular.

HANDOVER OF "FREE PLAYGROUND FOR CHILDREN"



As part of the project "Free Playgrounds for Children", on November 16th, NTU's Youth Union organized the handover of a free playground for children in Phu Binh Village, Vinh Thanh Commune, Nha Trang City. The playground cost a total budget of nearly 50 million VND, having patio covers on an area of over 200 m² with swings, rope climbing ladders, monkey bars, zipline... The volunteer teams have worked from October 19th to November 16th, 2014 to complete the project. Two donors funded for the project are the Action Center for Urban Development (Action for the city), and Haly Hely Volunteer Group. At the ceremony, the Youth Union organized games and donated 100 gifts for the children from the disadvantaged communes. In the future, the Youth Union will continue to implement other playgrounds in disadvantageous communes in Khanh Hoa province. The next project will be carried out in February, 2015 at an elementary school - Jeju in Suoi Lau 2 village, Suoi Cat Commune, Cam Lam District.

OPENING CEREMONY OF AQUATIC PRODUCT PROCESSING TECHNOLOGY CLUB (APPTC)

The Aquatic Product Processing Technology Group (Faculty of Food Technology) organized the opening ceremony of the Aquatic Product Processing Technology Club on September 2nd, 2014.

1 APPTC is a place for meeting, exchange of knowledge and experience in the Aquatic Product Processing Technology field. The Club also helps student improve working skills in global environment integration. Participating in the Club is also a chance to widen cooperative relations, exchange information with foreign and domestic seafood processing companies, and publicize the Aquatic Product Processing Technology Training program of NTU.

2 APPTC activities are organized once a quarter for exchanging knowledge in aquatic product processing. Lecturers, scientists, and companies are also invited to the Club's exchange. Extracurricular activities and competitions are held. In the future, the Club will organize the first "student cuisine" competition.





Opening ceremony of Khanh Hoa Free and Open Source Software Association

INFORMATION TECHNOLOGY DAY 2014

IT Day 2014 with the topic “Accompany students’ start-ups” was celebrated by the Faculty of Information Technology of NTU and the Khanh Hoa Association for Information Communication Technology (KAICT) on **October 26th, 2014**. It is an annual activity to help students approach new technologies; learn about the job market and business ideas; practice soft skills and have an exchange with speakers, managers, domestic and foreign companies, and, successful alumni.

On this occasion, the organizers announced the decision of establishing the Khanh Hoa Free and Open-source Software Association. The sponsors awarded 20 scholarships to students who had excellent academic performance, and, overcame difficulties in learning.

NTU STAFF PARTICIPATE IN THE 5TH NATIONAL FISHERIES CONFERENCE FOR YOUNG RESEARCHERS



“Creativeness – Collaboration – Development” was the topic of this conference which took place from **October 24th - 25th, 2014** at the Research Institute of Aquaculture No.1 (Bac Ninh Province). Nine staff of the Aquaculture Institute represented for NTU participating in the conference and presenting results of new research, introduced poster, and won a first prize, two second prizes, and a third prize of the total of nine prizes awarded to the speakers of the conference.

The National Fisheries Conference for Young Researchers is an annual event held by ViFINET network (institutes and training centers working in the field of aquaculture in Vietnam).

OPENING CEREMONY OF VIETNAM HERITAGE PHOTO EXHIBITION 2014 AT NTU

In response to Vietnam National Heritage Day November 23rd, from **November 11th – 14th, 2014**, the Vietnam Heritage Photo Exhibition 2014 was held at NTU. The exhibition presented many special pictures chosen among 4.402 entries of 477 photographers joining the 3rd Vietnam Heritage Photo contest held by Vietnam Heritage Magazine.

Launched in July, 2014, the 3rd Vietnam Heritage Photo contest was for photographers to show their sentiment and pride toward the country, and, shared valuable feelings and moments around three main topics which are Natural Heritage, Tangible, and, Intangible Cultural Heritage.



DEMONSTRATING AND CONNECTING SUPPLY-DEMAND IN TECHNOLOGY IN SOUTH CENTRAL AND HIGHLAND VIETNAM IN 2014

An event of demonstrating and connecting supply – demand in technology in South Central and Highland Vietnam in 2014 was hosted by the Ministry of Science and Technology in coordination with the People’s Committee of Phu Yen Province from **November 6th - 7th, 2014**. NTU participated in the event with the demonstration of 8 typical scientific and technological products: equipment to regulate the environment of aquaculture intensive farming ponds; a composite toilet system equipped on ships operating in the coastal area of Vietnam; a technological process in manufacturing composite hulled catamarans for tourism; soft armor impenetrable to stabbing for security forces, bio-products used to enhance the value of cassava waste in pig feed; food additives to improve the structure of spring rolls, fish cakes, and sausage; a 3D laser scanner used in reverse engineering; unsinkable basket boats made from sandwich material (composite).

The scientific and technological product exhibition of NTU was appreciated by the organizers and drew the attention and visits of leaders of local agencies, businesses, and the people.



Numerous visitors were interested in the products of NTU



RESEARCH ON THE TECHNOLOGY PROCESS OF PRODUCING SAUCE FROM ANADARA ANTIQUATA BY COMMERCIAL ENZYME PROTEASE

Dr. Nguyen Thi My Huong

The objective of this project is to build a technological process in producing sauce form from Anadara antiquata via a commercial enzyme protease.

After a period of research, the subject succeeded in providing new data on the technology. First, the flesh of Anadara antiquata is hydrolyzed by Protamex where the proportion of Protamex/ material is 0.3%,



at 50°C, in 4 hours, then the flesh is hydrolyzed by Flavourzyme with the proportion of Flavourzyme/ material at 0.2%, at 50°C, in 3 hours. The suitable proportion of salt and time for the aroma to be released are 25% and 60 hours, respectively. Incorporating Protamex and Flavourzyme in producing the sauce reduces production time and increases the amino acid content in the sauce. Anadara antiquata sauce has a unique flavor and a nutritional value with high amino acid content.

Based on the achievements, the author will continue to research and produce sauce from low cost materials.

VOLUNTARY BLOOD DONATION DAY

The Youth Union of NTU in coordination with the Red Cross in Khanh Hoa Province, Khanh Hoa Youth Union and Prudential Vietnam held a voluntary blood donation day (November 8th, 2014). More than 300 blood units were donated by students and transferred to Khanh Hoa Hematology and Blood Transfusion Center and the Central Institute of Hematology and Blood Transfusion.



ACTIVITIES TO EXPRESS GRATITUDE TO TEACHERS ON VIETNAM TEACHERS' DAY 20/11

To celebrate Vietnamese Teacher's Day November 20th, NTU Youth Union had organized activities to demonstrate the tradition of showing respects to teachers and moral values. Starting from the beginning of November 2014, the Youth Union had launched a writing contest "A Tribute to Teachers." Two weeks later, 53 submissions from 12 Faculties and Institutes had been received. The essays telling heartfelt emotions about teachers were highly regarded by the university's Party and Rector Board.

Also, in the evening of November 19th, a gala themed "Gratitude hearts" including 19 performances of 10 Faculties and Institutes was organized. The students had spent much time and effort to practice and rehearse each presentation, showing beautiful teacher-student relation and patriotism. The first prize was presented to the Food Technology Faculty's team.



CAREER ORIENTATION DAY

To help students with career orientation and good access to jobs after graduation, on October 3rd, 2014, the Department of Student Affairs in coordination with Vietnam Dell and Intel Company organized a Career Orientation Day and awarded scholarships to students - "Dell proudly accompanies you on the road to realize your dreams". During the Career Orientation day, students had a chance to gather information, learn about working environments in practice and requirements of knowledge and professional skills for future careers.

SPORTS COMPETITION FOR THE STAFF

In the afternoon of *November 18th, 2014* a sports competition was held by the University Union in order to strengthen solidarity among the staff in units, and promote sports participation at the University. The competition included mini soccer for men, tug of war, sack race and jogging. The competition was also an activity of NTU staff to celebrate Vietnamese Teachers Day.



NTU'S YOUTH UNION AWARDED SCHOLARSHIPS WITH A TOTAL VALUE OF 120 MILLION VND TO STUDENTS

In order to support students in financial difficulty in studying and participating actively in the Youth Union, in the first month of the academic year of 2014-2015, the executive board of the Youth Union has awarded more than 20 scholarships for students with a total value of 120 million VND.




In the future, the University's Youth Union will continue to focus on external affairs, mobilizing tangible and intangible support from agencies, organizations and companies in and outside of Khanh Hoa Province for our students.

- Mr. Le Cong Lap
Secretary of Youth Union



IT FACULTY HELPS ORGANIZE AND PARTICIPATE IN ACML AND ACIS 2014



 The staff of IT Faculty of NTU and Prof. Ho Tu Bao (JAIST) at ACIS 2014

From *December 1st - 3rd, 2014*, the 3rd Asian Conference on Information System (ACIS) took place in Nha Trang with the participation of more than 130 scientists from 20 countries around the world. Just before this event, from *November 26th - 28th, 2014*, participants have joined the 6th Asian Conference on machine learning (ACML). These prestigious conferences were held by the Japan Advanced Institute of Science and Technology (JAIST), Institute of International Applied Informatics - Japan, the Institute of International Applied Informatics Research – Ho Chi Minh City University of Sciences, and the IT Faculty of NTU. At the ACIS 2014, NTU presented two papers on image processing and handwritten character recognition.

GRADUATION AND OPENING CEREMONY AND GRADUATE PROGRAMS PHASE II - 2014

The Graduation ceremony and the opening of graduate programs phase II, 2014 was held on *November 2nd, 2014* with the participation of more than 400 new Ph.D.s, Masters, graduate students and fellows.

In a speech at the ceremony, Assoc. Prof. Trang Si Trung, Vice-Rector congratulated and expressed appreciation for the efforts of the new masters, and doctorates upon their successful completion of studies at NTU, and encouraged the new graduate students and fellows to try to complete their courses.

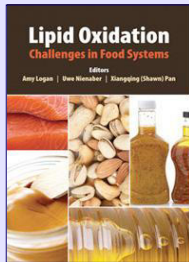
New books



NOVEL APPROACH FOR STABILIZING MEAT COLOR OF FISH AND DOMESTIC ANIMALS: APPLICATION OF NATURAL ANTIOXIDANTS FROM EDIBLE MUSHROOMS

The author, Dr. Huynh Nguyen Duy Bao, NTU's Faculty of Food Technology, holds a PhD degree in Marine Biological Applied Sciences from Tokyo University of Science and Marine Technology, 2009.

http://www.researchgate.net/publication/264043102_Novel_Approach_for_Stabilizing_Meat_Color_of_Fish_and_Domestic_animals_Application_of_Natural_Antioxidants_from_Edible_Mushrooms



LIPID OXIDATION: CHALLENGES IN FOOD SYSTEMS

The book consists of 15 chapters, Dr. Huynh Nguyen Duy Bao and Prof. Toshiaki Ohshima, Tokyo University of Science and Marine Technology, wrote Chapter 11, "Strategies to Minimize oxidative deterioration in Aquatic Food Products: Application of Natural antioxidants from Edible Mushrooms". Dr. Nguyen The Han, Faculty of Food Technology and Prof. Toshiaki Ohshima and Dr. Reiko Nagasaka, Tokyo University of Science and Marine Technology, wrote Chapter 12, "The Natural Antioxidant Ergothioneine: Resources, Chemical Characterization, and Applications"

http://app.knovel.com/web/toc.v/cid:kpLOCFS002/viewerType:toc/root_slug:lipid-oxidation-challenges/url_slug:lipid-oxidation-challenges/



EVALUATION DU RISQUE DU CONSOMMATEUR À DES CONTAMINANTS ALIMENTAIRES

Author, Dr. Nguyen Thuan Anh, Faculty of Food Technology, holds a PhD degree in Biology, Health and Food Toxins from Brest University, France – 2010.

https://www.presses-academiques.com/catalog/details//store/fr/book/978-3-8381-4009-4/evaluation-du-risque-du-consommateur-%C3%A0-des-contaminants-alimentaireible_Mushrooms

ONE MORE ARTICLE IN THE LIST OF TOP MOST DOWNLOADED

The article "*General Frameworks For Optimization Of Plastic Injection Molding Process Parameters*" by Dr. Dang Xuan Phuong, Vice Dean of the Faculty of Mechanical Engineering (NTU) has remained in the list of top most downloaded for 90 days from July 2014 to present. In July 2014, this article was in the first position of the list. The article was published by *Simulation Modelling Practice and Theory* in Feb 2014. For more details and ranking, please follow this link: <http://www.journals.elsevier.com/simulation-modelling-practice-and-theory/most-downloaded-articles/>

New books

UPCOMING EVENTS

- 1 Conference with Pusan National University - Republic of Korea (Jan 9th, 2015)
- 2 Student Exchange program with Pukyong University - Republic of Korea (Jan 18th – Feb 15th, 2015)
- 3 Open Day 2015 (Feb 1st, 2015)
- 4 Lunar New Year 2015 (Feb 19th, 2015)

HAPPY NEW YEAR

