



# NEWSLETTER

NHA TRANG UNIVERSITY

1<sup>ST</sup> QUARTER, 2019

THE 27<sup>TH</sup> NATIONAL MATHEMATICAL  
OLYMPIAD FOR COLLEGE AND HIGH  
SCHOOL STUDENTS

4

**EXTRACTING  
LUTEIN FROM  
MARIGOLD  
FLOWERS**

5



THE NATIONAL  
FUTSAL  
CHAMPIONSHIPS  
2019 AT NTU

4



VIETNAM - KOREA CONFERENCE  
ON GLOBALIZATION

6

ENCOURAGING NTU STUDENTS TO DO RESEARCH

6



## *Mission*

To train highly qualified manpower, carry out research and technology transfer, and provide services in various areas to meet the demand of socio-economic development, with fisheries as the major strength.

## *Vision*

To become a prestigious university in training, research, and technology transfer, a leader in Southeast Asia in fisheries science and some selected areas in marine economy by 2030.

## Căng buồm tri thức vươn khơi Sail to Wisdom



## THE LOGO & SLOGAN CONTEST TO CELEBRATE THE 60<sup>TH</sup> ANNIVERSARY OF NTU

In celebration of its 60<sup>th</sup> anniversary, NTU launched the Logo & Slogan Contest from December 21 to January 20, 2019. During this period, the Board of Organization received 23 participant entries from home and abroad staff members, lecturers, students, and alumni in both categories.

Nguyen Trong Vu, a student from the Department of Transportation Engineering, NTU, has won the first prize in Logo Design category. Highlighted on the logo is the number 60 integrated into the university logo. The ship is a reminiscence of the establishment history of NTU, highlighting its development phase associated with the fisheries sector.

First prize in Slogan generation category was given to "Sail to Wisdom" by Department of External Cooperation, NTU. The verb "sail" exudes the university's characteristics and, at the same time, subtly demonstrates its role and mission in education. During more than 2 months, the contest attracted the attention and participation of a large number of staff members, lecturers, students, as well as alumni, with works showing sincere affection and attachment of each individual to the university. This is an important kick off of a series of activities to celebrate the university's 60<sup>th</sup> anniversary.

## TRAINING ON USING THE MULTIPLE-CHOICE TEST GRADING SOFTWARE FOR THE NATIONAL HIGH SCHOOL EXAM 2019

Implementing the Plan for Organizing the National High School Graduation Exam 2019, mandated by the Ministry of Education and Training (MOET), on March 15, 2019, NTU hosted a training course on "Using the multiple-choice test grading software for the National High School Graduation Exam 2019.

At the training session, Dr. Dao Thanh Quoc (Vietnam National University, Hanoi) software expert representative of MOET presented the process and changes of the multiple-choice test grading

software in 2019 compared to the 2018 version, and introduced a (Demo) version of the latest multiple-choice test grading software. Participants had time to directly discuss questions related to the test grading software and other regulations with the leaders of the Quality Management Department and experts; and were instructed to directly use the multiple-choice test grading software on computers.



# THE 27<sup>TH</sup> NATIONAL MATHEMATICAL OLYMPIAD FOR COLLEGE AND HIGH SCHOOL STUDENTS

From April 2 to April 6, 2019, NTU held the National Mathematical Olympiad for College and Highschool students 2019 (OTSH 2019). The competition, which is jointly organized by Vietnam Mathematical Society, Ministry of Education and Training, Vietnam Union of Science and Technology Associations, Vietnam Students' Union Central Committee and NTU, is intended for students of institutions, universities, colleges and high schools for the gifted across the nation.



This competition attracted more than 650 candidates from 93 universities, institutes, colleges and high schools for the gifted in the whole country, among them are many delegations from remote regions such as the Northwest and Southwest of Vietnam. Candidates competed in two subjects: Algebra and Calculus (high school students had their own exams). Closing the competition, the Organization Board awarded 6 Special Prizes, 68 First Prizes, 114 Second Prizes, and 159 Third Prizes. The team of NTU achieved 02 Third Prizes and 03 Encouragement Prizes. During the week of the competition, participant delegations also took part in many companion activities such as math seminars/lessons for high school students, friendly mini-football matches, and OTSH 2019 Gala.

## THE NATIONAL FUTSAL CHAMPIONSHIPS 2019 AT NHA TRANG UNIVERSITY



On April 2, 2019, 6 teams participating in the HDBank National Futsal Championships 2019 started the first round of competition at the Gymnasium of NTU. 6 teams participating in the qualifiers including Da Nang, Thai Son Bac, Quang Nam, V&V FC, Sanvinest Sanna Khanh Hoa, and VietFootball played in round-robin format from April 2 to April 12. 4 teams with the highest rankings will enter stage II of the competition, the first leg of which takes place from April 15 to May 6, 2019 at NTU, where 6 other

teams Thai Son Nam, Sanvinest Sanatech Khanh Hoa, SAHAKO FC, Kardiachain Saigon FC, Cao Bang and Tan Hiep Hung will be opponents.

Earlier, the work of repairing and renovating the competition site was implemented by the university within a short time to serve the national tournament. Accordingly, the entire interior and exterior of the Gymnasium were newly painted, the lighting system were replaced, the stadium floor, functional rooms,

stands, professional meeting rooms, etc. are repaired and upgraded.

The National Futsal Championships is a national level sporting event, attracting the attention of the whole country as well as fans in the province. Particularly for the university, the tournament is not only a motivation to improve the quality of physical education activities in the student force, but also creates a playground for student cheerleading and playground for various performing art teams to present themselves.



The research topic **“Completing the process of extracting, developing an equipment model for trial production of lutein and lutein preparation from marigold flowers”** by Dr. Hoang Thi Hue An (Faculty of Food Technology, NTU) and her colleagues have been approved and highly appreciated by the Provincial Council of Science and Technology. The result of this research is a scientific basis to commercialize the production of lutein from marigold flowers, used as a food coloring agent.

Marigold flowers are a natural source rich in lutein. The climate in Vietnam is very suitable for growing marigold to supply material for industrial production of lutein. However, until now, Vietnamese enterprises still have to import lutein in the form of raw materials and finished products at a high price.

Previous studies by Dr. An and her colleagues have successfully studied the process of retrieving lutein in the laboratory from marigold flowers. However, high production costs is a drawbacks in improving the lutein extraction process is costly, the recovery efficiency of lutein in the

purification stage is still low, requiring large manpower (due to lack of specialized equipment system).

From 2016 to 2018, the research team was assigned by the Department of Science and Technology to carry out the research “Completing the process of extracting, building models of equipment for trial production of lutein and lutein preparations from marigold flowers”. After 2 years, the research team has introduced two new technological processes that allow extracting lutein from fresh and dry marigold flowers to achieve economic efficiency and high quality. Extracted lutein is converted into the form of preparations that are water-soluble and colorfast under certain food storage conditions; added with micronutrients that have antioxidant and vision improvement effects.

On the other hand, the research team has also successfully created design drawings that allow the manufacture of equipment system for trial production of lutein from marigold flowers in the scale of 20kg of raw material per batch. In particular, the product obtained residues of organic solvents and heavy

## EXTRACTING LUTEIN from marigold flowers

metals that are below the permitted level, meeting the requirements for food hygiene and safety standards, preserving stable quantity when stored at minus 20 degrees Celsius for 30 days (in darkness); are cost comparable to imported products and suitable for coloring or adding lutein micronutrients in foods.

The results of the study are the scientific basis for production and commercialization, contributing to the establishment of industrial facilities for production lutein from marigold flowers.

*Lutein is one of the natural pigments that has been certified by FDA (US Food and Drug Administration) as safe and permissible for use as a food additive. This is a beautiful yellow-orange pigment, used as a food coloring agent. In addition, lutein also has rich antioxidant content, limiting the risk of cardiovascular disease, aging, enhancing immune function. Therefore, the study of extracting and refining lutein from natural materials and its applications in the food, cosmetics, and pharmaceutical industries are of interest to many companies around the world.*

## ENCOURAGING NTU STUDENTS TO DO RESEARCH

NTU has been working hard to encourage its students to do more research. In June 2018 the Youth Union of NTU established and introduced the **Scientific Research, Startup and Study Abroad Student Support Club** to create a space to attract students who are passionate about scientific research and start-up. Taking part in the club's activities, students will have the opportunity to exchange information and learn from experts who are experienced in scientific research, start-up, thereby gaining more knowledge and skills to carry out scientific research. The club assists students in finding funding sources, tools and means to help them realize their startup ideas.

On December 29, 2018, NTU collaborated with the Department of Science and Technology, NTU to hold the "Dissemination of information and guidance for students to conduct scientific research". Students were guided from the first step of forming research ideas to the next steps and skills required to complete a scientific research topic explanation, as well as the process and content of organizing a review of students' scientific research topics, what students need to pay attention to avoid errors when carrying out scientific research topics, from procurement of testing materials, making an employment, procurement, financial settlement contract, progress report, report on project acceptance.

The Youth Union and the Student Association of the university are launching a competition incentive startup, a new playground in this field for students of the entire university. Award-winning creative ideas will be partly funded by the university in order for these ideas to be developed and realized.



## VIETNAM - KOREA CONFERENCE:

## "GLOBALIZATION AND SUSTAINABLE DEVELOPMENT: SOCIAL, ECONOMIC AND CULTURAL PERSPECTIVES FROM KOREA AND VIETNAM"



On January 24, NTU and Pukyong National University (Korea) (PKNU) coordinated to organize a Vietnam-Korea conference on the topic **"Globalization and Sustainable Development: Social, Economic and Cultural Perspectives from Korea and Vietnam"**.

penetration of Korean culture into Vietnam; comparison of the social and cultural relations between Korea - Vietnam, Japan - Vietnam from the sixteenth century to present; Korean national improvement system - lessons and applicability in Vietnam. Delegates also spent time discussing the impact of TPP, CPTPP on the economy of Vietnam and Korea; assessing sustainability in tourism development in the South Central Coast; Korea's ODA and sustainable development: issues related to Korea's protection policy for ODA projects in Southeast Asia.

The conference was attended by nearly 40 delegates from Pukyong National University (Korea) and lecturers of NTU. Presentations at the conference focused on the issues of globalization and integration, the





## COMPOSITE BOAT NTTS 01 - A SCIENTIFIC RESEARCH PRODUCT FOR NEARSHORE AQUACULTURE

The composite boat NTTS-01 was built as a result of the project **“Research to design and build composite shell ships for nearshore aquaculture”** of the Institute of Ship Research and Manufacturing to replace small-sized wooden boats, which are virtually untested, always contain hidden risks but are currently used by coastal fishermen to transport food and labor from shore to aquaculture areas. The NTTS-01 boat has composite hulls, size 7.9x2m x 1.05m, can carry 2 crew members and 2 tons of cargo. The cargo deck has a 3-layer structure (between PU pump) to prevent sinking, 02 hatch covers. The machine compartment is located at the rear; equipped with 01 fire extinguisher and 01 self-priming suction pump. The system is operated by

mechanical-type steering wheels. The engine is made in Vietnam by another company, having a capacity of 30 horsepower, using diesel oil (20L tank capacity), cooled by sea water.

The boat is designed with a reasonable line shape, ensuring both stability and high speed (about 10hl/g). NTTS-01 is superior to traditional wooden shell boats in terms of speed, watertight, stability and anti-sink ability. The fact that the engine is made in Vietnam helps reduce production costs. In addition, the protective gelcoat is in similar in color to natural wood color, creating a sense of familiarity for users.

## TRAINING WORKSHOP ON “EXPERIMENTAL TEACHING METHODS”

On March 23, 2019, the Quality Assurance & Examination Department held a training workshop on “Experimental Teaching Methods” with the participation of nearly 50 lecturers with less than 05 years of teaching experience from different faculties in the school. The workshop focused on the following three topics:

**Topic 1:** Experimental teaching methods - Associate Prof. Dr. Le Van Hao.

**Topic 2:** Requirements of current higher education for lecturers - Associate Prof. Dr. Nguyen Thi Kim Anh.

**Topic 3:** Evaluation and application of information technology in evaluation - Dr. Dinh Dong Luong.

Accordingly, each lecturer got to learn more about the requirements of Vietnamese education, experience-based teaching methods as well as the application of Information Technology in assessing learning outcomes, which contribute an important part to improving the quality of training and output of NTU students.



According to Dr. Quach Hoai Nam – Vice Rector of NTU, the training must be more closely linked to enterprises to give more conditions for students to have practical experience and improve soft skills. PVcombank is also providing an internship program for banking and finance students. After agreeing on all the articles, both sides signed the cooperation contract, which focuses on training activities such as providing internship and after-graduation employment opportunities at the bank; inviting experts who are the Bank's leaders and managers to participate in seminars, specialized workshop and training sessions to help students aware and become familiar with the real working environment; joining the council to guide and evaluate students' performance at the end of the internship.

Besides, Pvcombank also sponsors an annual amount of 10 million VND for the Accounting – Auditing – Finance – Banking Club (AFC), which belongs to Faculty of Accounting – Finance, and accompanies in organizing community activities, professional activities, skills training, and extra activities to improve students' working capacity after graduation.

## SIGNING A COOPERATION WITH VIETNAM PUBLIC JOINT STOCK COMMERCIAL BANK (PV COMBANK), KHANH HOA BRANCH

*On March 14, 2019, at NTU took place the cooperation signing ceremony between the University and Vietnam Public Joint Stock Commercial Bank (PVcombank), Khanh Hoa branch with the participation of representative leaders and staff of both sides.*



## FACULTY OF TRANSPORTATION ENGINEERING: ENHANCING COOPERATION WITH ENTERPRISES IN BA RIA - VUNG TAU

Implementing the business-university model, from January 2 to January 5, 2019, a delegation of leaders of the Faculty of Transportation Engineering and the Department of Academic Affairs had a working visit to MTV Austal Vietnam Co. Ltd. and Cai Mep International Port Co., Ltd in Ba Ria Vung Tau province. Through discussions, the partners have agreed to collaborate in providing internships to students of Ship Engineering and Maritime Science majors. Students will be given opportunities to work as a company employee, provided with meals, pickup shuttles, monthly allowances, and priorities in recruitment by the company after graduation. This is the foundation to raise awareness and enhance cooperation between the university and businesses, especially in the field of scientific research and technology transfer.



## ANNUAL MEETING OF ILP PROGRAM

*From January 14 to January 16, 2019, Dr. Nguyen Thi Ngan - Vice Director of the External Cooperation Department attended the Governance Council's annual meeting on the International Linkage Program(ILP) Tropical Fisheries meeting at Bogor University of Agriculture, Indonesia with other member universities in the ILP network from Japan, Indonesia, Malaysia, the Philippines, and Thailand.*

In summarizing all the activities in 2018, there were 17 students participating in the exchange program, 3 of them are graduate students from NTU who joined the exchange program at Kagoshima University, Japan.

A prominent event at this meeting was the new membership signing ceremony: Bogor University of Agriculture, Indonesia - ranked 100 best agricultural universities in the world - has joined the ILP network. In addition, the Governance Council also discussed and revised several contents related to education programs and scholarships for 2019, adjusting the activities of the Governance Council (due to the organizational change of Kagoshima University), establishing program plans and evaluation criteria for students, lecturers, schools and employers.



## THE YOUTH UNION SUM UP THE ACTIVITIES OF THE YOUTH MONTH OF 2019

In the Youth Month, the Youth Union carried out many practical works and tasks, which attracted a large number of student volunteers, including building a free playground for children of Cam Thinh Tay 2 Primary School (Cam Ranh City); holding a tree planting festival "Forever grateful to Uncle Ho" in Spring 2019; cleaning up the school campus; organizing men and women soccer tournaments for students; organizing a marathon named "NTU - 60 years of a journey"; organizing a book day for students; organizing an "induction to Youth Union" class and admitting more than 100 new students to the Youth Union; maintaining the voting contest of NTU's Top Impressive Faces in 2019 in 5 areas: study, research, extra-curriculum activities, Youth Union – Student Association leaders, volunteers; organizing voluntary activities away from schools in poverty areas of Khanh Hoa province; organizing lectures, classes in English and dissemination activities on environmental protection.

At the closing ceremony of the Youth month on March 29, the Youth Union commended 10 outstanding students in 5 aspects: academic performance, scientific research, extra-curriculum activities, Youth Union – Student Association contribution, and voluntary work. 24 students with great achievements in Youth Union's activities were rewarded.

## FINAL ROUND OF THE TALENTED STUDENT CONTEST "You! Who are you?"

On January 5, 2019, NTU held the final round of the contest "You! Who are you?"- the 2<sup>nd</sup> Talent Seek for college and high school students in Khanh Hoa Province. After 3 preliminary rounds and 2 semi-final rounds, 12 excellent performances were selected to participate in the finale. The First Prize went to Nguyen Van Thinh (University of Khanh Hoa) with the song "Winter".

The contest attracted more than 90 teams and individuals from more than 20 high schools and 7 universities and colleges in Khanh Hoa province, aiming to honor young talents, promote creativity and arouse potentials of students, create opportunities for students with an aptitude for art to practice, express themselves and strengthen the spirit of solidarity.



## STUDENTS' ACHIEVEMENTS RECOGNIZED BY THE STUDENT ASSOCIATION OF NTU



On January 19, at the Asian Folk Art Theater (Nha Trang), the program "Celebrating Year of the Pig 2019 and the 69<sup>th</sup> anniversary of tradition of students and the Vietnamese Student Association, commending the provincial 5-good students in the school year 2017 – 2018" was held by the Youth Union and Vietnamese Student Association of Khanh Hoa province. 15 students were commended for the title of "provincial 5-good student" in the school year 2017-2018, among them, NTU is honored to have 4 students commended and 7 students awarded. Previously, the Student Association of NTU also had the honor of receiving the emulation flag for overall excellence.

## MEANINGFUL ACTIVITIES TO WELCOME YEAR OF THE PIG 2019

On January 27, NTU held a ceremony to launch free "Spring of love" buses to bring students home to celebrate Year of the Pig 2019. This year, the university worked with businesses to sponsor 5 free buses to bring 206 students from Phu Yen, Binh Dinh, Quang Ngai to their hometowns. In the same week, from January 27 to January 30, NTU sent 4 working delegations to visit and send New Year wishes to 46 families that have poor living conditions in different districts, towns, cities in Phu Yen, Binh Dinh, Ninh Thuan (with a total value of gifts worth more than 100 million VND). For students from other localities, gifts were given to students at the University. Staff members and lecturers also visited students' families at their hometowns during this holiday.

Previously, NTU visited and provided necessities including rice and fish sauce for ethnic minorities in Giang Ly Commune, Khanh Vinh District, the value of which totaled up to 50 million VND. The Association of Veterans of NTU also held a program to deliver Tet gifts (with a total value worth 20 million VND) to poor households in Xuan Son Commune, Van Ninh District.



## NHA TRANG UNIVERSITY: "60 YEARS - SAIL TO WISDOM"

To celebrate the 60<sup>th</sup> anniversary of NTU (August 1, 1959 - August 8, 2019), the university has organized a contest for devising the logo and slogan for this anniversary. The logo designed by Assoc. Prof. Dr. Ngo Dang Nghia from Institute of Biotechnology and Environment, NTU was chosen to be the logo for the anniversary. The logo represents the university's progress and achievements over 60 years. Number "6" and number "0" are interlocked representing solidarity. The top of number 6 rises straight up, showing the ascension over difficulties. The interlocking circles create the feeling of a continuous movement of a wheel. Next to the number "60" is a replication of NTU logo with 5 vertical rectangular blocks and the highlighted red star. The underline continuum represents the never-ending time flow, with the university's name (Nha Trang University) and the milestone (1959-2019) are shown beneath.

*Căng buồm tri thức vươn khơi*  
*Sail to Wisdom*



The slogan "Sail to wisdom" was chosen to be the message for the 60<sup>th</sup> anniversary. This slogan is created by the Department of External Cooperation, NTU, which is also the Best Slogan (1<sup>st</sup> prize) in the Logo and Slogan Contest. The slogan is inspired by the university's tradition, which is associated with the fisheries industry and the ocean. The slogan subtly demonstrates the role and mission of the university for education. It evokes the image of a sail travelling all over the world, bringing knowledge to continents, and gathering invaluable knowledge and experience from the elite to further improve itself, serving the mission of educating human beings.

# 60 YEARS

*Sail to wisdom*

*In 2019, Nha Trang University (NTU) will celebrate its 60<sup>th</sup> anniversary. Evolving from the Department of Fisheries, Academy of Agriculture and Forestry, NTU has gone through many stages of development with names reflecting the tradition association with the fisheries sector such as: School of Fisheries (1966), University of Marine Products (1976), University of Fisheries (1981). In 2006, the University was renamed Nha Trang University, marking a new development milestone and indicating that the university has become a multi-disciplinary institution and a key center for research and advanced technology transfer, while fisheries is maintained as strength that serves socioeconomic development in the South Central, Central Highlands and the whole country.*

*NTU was among the first universities **receiving the certificate of institutional accreditation by the Ministry of Education and Training for meeting the required educational accreditation standards (2007) and got that accreditation for the second time (2017)**. NTU has made a great leap forward and gained important achievements in training, research and international cooperation, enriching the profile and prestige of NTU nationwide as well as worldwide. NTU's vision is to become a leading university in training, research, and technology transfer in fisheries science and some selected areas in marine economy in Southeast Asia by 2030.*

*Celebrating the special milestone of 60<sup>th</sup> Anniversary, we are pleased to announce and invite all partners, friends, alumni, former staff members, current faculties, staff, and students to join us to celebrate our legacy through a series of events such as the **National Conference for Young Fisheries Scientists (July 30, 2019)**, **National Conference on "Training, scientific research and technology transfer to serve a sustainable development of the marine economy" (July 31, 2019)**, **Reunion Gala "Go back to Get back" (July 31, 2019)**, and especially the **Ceremony of the 60<sup>th</sup> Anniversary & Meeting with generations of former staff members and alumni in Faculties/Institutes (August 1st, 2019)**. These activities will be opportunities for everyone to meet, connect, and exchange with each other as well as express love, involvement and companion with the university in its education mission.*

*Stay tune with us in this special time of our 60<sup>th</sup> anniversary. For more information, please contact us via Email: [dea@ntu.edu.vn](mailto:dea@ntu.edu.vn) or Phone: (+84) 258 2471303 (Department of External Affairs) for details and supports.*

## UPCOMING EVENTS



1. National Futsal Championships 2019 (Stage II) (April 16 to May 6)
2. Career Day and Book Festival in celebration of Vietnam's Book Day (April 20)
3. Graduation for Master's and Doctoral students (April 21)
4. Celebration of Uncle Ho's birthday (19/5/2019) (May 19)
5. National High School Graduation Examination (June 23-27)

