

**INTERNATIONAL WORKSHOP
ON
DRUGS DEVELOPMENT
FROM HERBS AND MARINE MEDICINAL MATERIALS**

**HAI PHONG, VIETNAM
10-12 DECEMBER 2018**

ORGANISED BY

 The logo is a diamond-shaped emblem. It features a globe in the center with a red and blue orbital path. The text 'NAM S&T CENTRE' is written along the top-left edge, 'CENTRO DE CI-T NOAL' along the top-right edge, and 'CENTRE S&T DU NAM' along the bottom-left edge. There is also Arabic script at the bottom right.	<p>CENTRE FOR SCIENCE & TECHNOLOGY OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES (NAM S&T CENTRE) NEW DELHI, INDIA</p>
 The logo is circular with a blue background. It features a white stylized plant or flower in the center. The text 'TRƯỜNG ĐẠI HỌC Y DƯỢC HẢI PHÒNG' is written along the top inner edge, and 'HAI PHONG UNIVERSITY OF MEDICINE AND PHARMACY' is written along the bottom inner edge.	<p>HAI PHONG UNIVERSITY OF MEDICINE AND PHARMACY (HPMU) HAI PHONG, VIETNAM</p>

INTRODUCTION

Natural products have been the major sources of drugs and drug candidates, and this remains true to date. Natural products research has evolved from fundamental organic chemistry to highly multidisciplinary, integrating methods for development in organic structure analysis, synthetic and medicinal chemistry, pharmacology, toxicology, biosynthesis, mechanistic bio-organic chemistry and genomics, etc. Recently, there has been a fast-growing interest in the study of natural products of marine origins. Although still facing many challenges, marine natural products are forecasted to play a central role in new drug development programmes. Pharmaceutical industries in advanced nations have exploited the exquisite and complex structures, the potent and often highly selective ability to bind to biological targets of natural molecules for their products and business developments. However, even though most of the non-aligned and other developing countries possess great biodiversity and high potential for natural products research, they have still not been able to effectively utilise their valuable resources for new drug developments.

In order to foster the great benefits of natural products, especially marine natural resources, the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) jointly with the Hai Phong University of Medicine and Pharmacy, Hai Phong, Vietnam announces the organisation of an **International Workshop on 'Drugs Development from Herbs and Marine Medicinal Materials'** at Hai Phong, Vietnam during **10-12 December 2018**.

OBJECTIVE OF THE WORKSHOP

The main objectives of this Workshop are:

- To update and evolve strategies for the utilisation of herbal and marine natural resources in new drug developments,
- To foster international, regional and sub-regional collaboration in drug discovery from herbs and marine materials,
- To focus the attention of the non-aligned and other developing countries on the global trend of research and development for new drugs from natural resources.

TOPICS TO BE COVERED

The Workshop will be organised in two parts with the following topics:

Part A: Herbal/Medicinal Materials

- Natural product isolation, chemical synthesis and biosynthesis
- Chemical biology and synthetic biology
- Pharmacology
- Methodology development

Part B: Marine Medicinal Resources

- Biodiversity and new compound discovery
- Advances in analytical techniques
- Omic sciences
- Pharmacology
- Synthetic biology

EXPECTED OUTCOME

- The current status and the extent of new drugs discoveries from herbal and marine resources will be reviewed.
- New and effective methods, tools and techniques for overcoming challenges in drug development programs.
- Strengths and weaknesses of the non-aligned and other developing countries will be identified and remedial measures will be suggested.
- Small expert groups will be formed to address various problems encountered.
- Specialised centres and institutions may be conceived to facilitate the utilisation of natural resources for new drug developments at the national, regional and international levels.

PROGRAMME OF THE WORKSHOP

A tentative programme of the Workshop is given below:

Date	Programme	
Sunday, 9 th December 2018	Arrival of Delegates at Hai Phong, Vietnam	
Monday, 10 th December 2018	Inauguration and Plenary sessions	Technical sessions
Tuesday, 11 th December 2018	Technical Sessions	Concluding Sessions
Wednesday, 12 th December 2018	Field visit: Cat Ba Archipelago (World Biosphere Reserve area)	
Thursday, 13 th December 2018	Departure of Delegates	

A detailed Session-wise Programme will be made available before the Workshop.

VENUE

The Workshop would be organised at the Hai Phong University of Medicine and Pharmacy, Hai Phong, Vietnam.

Address: 72A Nguyen Binh Khiem Street, Ngo Quyen District, Hai Phong City, Vietnam.

ABOUT THE ORGANISERS

NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; www.namstct.org) is an inter-governmental organisation with a membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India. It undertakes a variety of programmes, including organisation of workshops, symposiums and training courses and implementation of collaborative projects. It also offers short-term research fellowships to scientists from developing countries in association with the Centres of Excellence in various countries. The Centre also brings out technical books and other scientific publications in different subjects of interest to developing countries. The Centre's activities provide opportunity for scientist-to-scientist contact and interaction; familiarising participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the members and other developing

countries, and dissemination of S&T information etc. In addition, the Centre encourages academic-R&D-industry interaction in the developing countries through its NAM S&T-Industry Network.

HAI PHONG UNIVERSITY OF MEDICINE AND PHARMACY

Hai Phong University of Medicine and Pharmacy (HPMU) was established in 1979 and next year will mark the 40th anniversary of its founding. During its history, the university has managed to develop on a grand scale, with 7 academic faculties, 34 independent academic departments, 2 research centers and a University Hospital. It is now the home of about 7,000 students, studying in 8 majors: Medicine, Preventive Medicine, Traditional Medicine, Dentistry, Pharmacy, Nursing, Medical Technology, and especially, Marine Medicine - the unique program among public Medicine and Pharmacy universities in Vietnam. The university is situated in the heart of Hai Phong, the “Harbour City”, which is located at the northern coastal area. Hai Phong is not only the major port of Vietnam but also has a very beautiful and resourceful World Heritage/Biosphere Reserve Area – Cat Ba Archipelago, and also connects to the Halong Bay, the most attractive tourist destination in Vietnam.

Our Faculty of Pharmacy is one of the young but fastest growing pharmacy faculty in Vietnam. During its 7 years of operation, the faculty has evolved and being the pioneer faculty in Clinical Pharmacy Education and Marine Medicinal Research. The Faculty has hosted several international events including: the 13th Asian Conference on Clinical Pharmacy, 4th Asian Association of School of Pharmacy-Deans Forum and a number of national conferences. From the establishment of the 5-year Pharmacy Program with 50 students in 2012, the faculty is now receiving 100 undergraduate pharmacy students annually and will start to accept postgraduate students in Clinical Pharmacy next academic year. With a Research Center of Marine Medicinal Resources and close cooperation with Institute of Medicinal Materials-Ministry of Health; Institute of Marine Environments and Resources and Institute of Marine Biochemistry-Vietnam Academy of Science and Technology, our Pharmacy Faculty has pay a considerable contribution to the research and development of new products from Vietnam Marine Resources.

PARTICIPANTS

The Workshop programme has been primarily designed to discuss and deliberate on the latest research results by the chemists, biologists, biotechnologists, biochemists, medical doctors, pharmacists and industry experts from the developing countries and innovative approaches introduced by them in the areas related to Drugs Development from Herbs and Marine Medicinal Materials as input for policy makers in the government departments and ministries.

The selection of the participants will be strictly based on merit and relevance of their current responsibilities to the subject of the Workshop as well as the quality of the extended abstract of the paper submitted by them along with the completed nomination form.

A pre-condition for participation in the Workshop is that the participants must submit the full manuscript of their papers, **in MS-Word Format**, at least **14 days** before the commencement of the programme.

RESOURCE PERSONS

The resource persons for the Workshop will comprise eminent experts and professionals in the relevant field.

SUBMISSION OF APPLICATION

Experts and scientists desirous of participating in the Workshop, excepting those from Vietnam, are required to submit their nomination form **electronically** directly to the NAM S&T Centre as early as possible, but latest before **Friday, 2nd November 2018**.

Applicants from Vietnam should however submit their applications to the Hai Phong University of Medicine and Pharmacy, Hai Phong, Vietnam.

The Nomination Form should be completed in all respects, typewritten or in clear handwriting in capital letters, and no column should be left blank. The following documents must be submitted as e-mail attachments:

- i. Filled in Nomination Form (blank Form enclosed);
- ii. An extended (**about 2 pages**) abstract (**in MS Word Format**) of the paper that would be presented at the workshop;
- iii. A short (**maximum two pages**) CV (**in MS-Word Format**), and
- iv. Copy of the relevant pages of the passport

The documents at (ii) and (iii) above must be in MS-Word Format; PDF or image files will not be accepted. Hard copies of the Nomination Form and the above attachments are NOT REQUIRED to be submitted.

PRESENTATION OF PAPERS

Each participant will be required to present a country status report and/or a research/scientific paper on any of the themes appropriate to the Workshop

PUBLICATION AS A FOLLOW UP OF THE WORKSHOP

A publication edited by one or more international experts and based on the papers presented by the participants during the Workshop and also containing papers contributed by eminent experts in the field will be brought out in the form of a book as follow up of this programme. Therefore all the participants are required to submit the manuscripts of their full papers in **MS-word** format well in advance, but at least 14 days before the commencement of the Workshop.

LOCAL HOSPITALITY AND TRAVEL

Local hospitality at Hai Phong, Vietnam including accommodation, meals and local transport for the delegates will be provided by the local organisers, Hai Phong University of Medicine and Pharmacy, Hai Phong, Vietnam from **Sunday, December 9th (noon) to Thursday, December 13th (noon)** (i.e. from one day before to one day after the completion of the Workshop). The participants are requested to book their flights accordingly otherwise they will have to make their own arrangements of stay beyond these dates.

FINANCIAL ARRANGEMENTS FOR TRAVEL

This is being conveyed separately to each member country of the NAM S&T Centre and other developing countries.

ENTRY FORMALITIES AND IMMIGRATION

Participants of the Workshop must be in possession of a current passport or any other internationally recognised travel document, which must have a period of validity of at least six months beyond the time of stay allowed in Vietnam and must be endorsed for travel to Vietnam. Those needing visa for travel and other immigration documentation should contact the local organisers in Hai Phong University of Medicine and Pharmacy, Hai Phong, Vietnam for any necessary assistance.

Further information about Vietnam visa requirements/exemptions are available at:

<https://lanhsuvietnam.gov.vn/Lists/BaiViet/Bài%20viết/DispForm.aspx?List=dc7c7d75%2D6a32%2D4215%2Dafeb%2D47d4bee70eee&ID=306>

OTHER USEFUL INFORMATION

- There are two international airports near the workshop location:
 1. Cat Bi International Airport – Hai Phong, 5km distance, connecting flights from Seoul (Korea) and Bangkok (Thailand).
 2. Noi Bai International Airport – Hanoi, 120 km distance - about 2hrs drive from Hai Phong, connecting most international flights to/from Viet Nam.
- The weather in Hai Phong during the Workshop period is likely to be mild and humid with the expected temperature to be ~ 14-25°C (57-77 °F).
- Viet Nam Standard Time is +07.00 hours ahead of GMT.
- The Viet Nam Currency is Dong (VND); the current exchange rate of US\$1 is approximately 22,500VND.

NOTE

- ***The governments/ institutions of the selected participants will be required to bear the following costs:***
 - *All expenses in the home country incidental to travel abroad, including expenditure for passports, required medical examinations, vaccinations and miscellaneous expenses such as internal travel to the airport of departure in the home country.*
 - *Salary and other related allowances for the participants during the period of the Workshop.*
 - *Cost of medical insurance to cover the period of participation in the workshop.*
- ***The organisers of this Workshop will not assume responsibility for the following expenditure in connection with the participant's attendance in the Workshop:***
 - *Expenses incurred with respect to any insurance, medical bills or hospitalisation fees.*
 - *Compensation in the event of death, disability or illness of participants.*
 - *Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.*
 - *Other costs, including airport tax and excess baggage.*

Contact Details

NAM S&T CENTRE

Prof. Dr. Arun P. Kulshreshtha,

Director General,

*Centre for Science & Technology of the Non-Aligned and other Developing Countries
(NAM S&T Centre),*

*Zone-6A, 2nd Floor, India Habitat Centre, Lodhi Road,
New Delhi – 110003, India*

Tel: +91-11-24645134, 24644974; Fax: +91-11-24644973

E-mail: namstcentre@gmail.com, namstct@bol.net.in

Website: <http://www.namstct.org>

Mr. M. Bandyopadhyay,

Senior Expert & Administrative Officer,

Address, Tel. and E-mail: (O) as above.

HAI PHONG UNIVERSITY OF MEDICINE AND PHARMACY

Workshop Chairman:

Prof. Nguyen Van Hung, MD., PhD.,

Acting-President, Hai Phong University of Medicine and Pharmacy

Dean, Faculty of Pharmacy,

Head, Department of Pharmacology

E-mail: nvhung@hpmu.edu.vn, hungnguyenv@gmail.com

Website: <http://hpmu.edu.vn/hpmu/>

Cell phone: +84913 552 872

Workshop Coordinator:

Mr. Cao Duc Tuan, M.Eng.,

Assistant Dean for International Collaboration, Faculty of Pharmacy

Lecturer, Department of Pharmaceutical Chemistry and Quality Control

Email: cductuan@hpmu.edu.vn, caoductuan11@gmail.com

Cell phone: +84 936 230 580

Workshop Organising Secretary

Ms. Nguyen Thi Nhung, M.Sc.,

Senior Administrative Officer, Faculty of Pharmacy

Email: namst.hpmu.2018@gmail.com, ngtnhung@hpmu.edu.vn

Cellphone: +84 989 382 980

**CENTRE FOR SCIENCE AND TECHNOLOGY OF THE
NON-ALIGNED AND OTHER DEVELOPING COUNTRIES
(NAM S&T CENTRE)**

INTERNATIONAL WORKSHOP

ON

**DRUGS DEVELOPMENT
FROM HERBS AND MARINE MEDICINAL MATERIALS**

**HAI PHONG, VIETNAM
10-12 DECEMBER 2018**

NOMINATION FORM

*PLEASE TYPE OR USE BLOCK CAPITALS;
NO COLUMN SHOULD BE LEFT BLANK*

Please affix your scanned photograph
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SECTION –A

(To be filled in by the nominee)

- 1 Name (Prof/Dr/Mr/Mrs/Ms):
(As in Passport)
2. Father's/Spouse Name:
- 3 Designation (Position held):
4. Nationality:
- 5 Date of Birth: Place of Birth (City) (Country).....
- 6 Passport No:Place of issue:
Date of Issue: Valid up to:
(Please attach copies of the relevant pages of your Passport)
- 7 Name of the Parent Institution (Employer):
Full Address (Office):
.....
Phone: Fax:
E-mail:
- 8 Full Address (Home):
.....
Phone: Mobile:
Fax: E-mail:
- 9 Educational Qualifications: Highest Degree.
Year of Award: University:
Field of Study:

- 10 Brief Bio data (CV):
 (Maximum two pages, in MSWord; to be attached on separate sheet)
- 11 Abstract of your paper proposed to be presented in the Workshop.
 (About 1-2 pages, in MSWord; to be attached on separate sheet)
- 12 What in your opinion qualifies you for participation in this workshop?
 (To be attached on separate sheet)

Date: Signature:

SECTION -B

ENDORSEMENT BY NOMINATING AUTHORITY

(The Applicant in a member country of the NAM S&T Centre may get the following endorsement signed by the Focal Point of the Centre in his/her country, *if he/she wishes to take advantages accrued to the official nominee of the country.* For the list of member countries and names/addresses of the Focal Points please visit Centre’s website www.namstct.org.)

Signature:

Name (in full):

Designation:

Date:

SEAL

Enclosures:

1. Scanned copies of the relevant pages of Passport
2. Brief CV (maximum two pages, in MSWord)
3. Abstract of Paper proposed to be presented in the Workshop (about 1-2 pages, in MSWord)