

Ascension
Research
Collaboration
Healthcare

National Chung Hsing University
Scientific Strategies and Health Education
to Combat COVID-19

NCHU YEARBOOK



OFFICE OF
INTERNATIONAL AFFAIRS
NATIONAL CHUNG HSING UNIVERSITY



145 Xingda Rd., South Dist.,
Taichung City 402, Taiwan (R.O.C.)
+886-4-22840206 / oia@nchu.edu.tw

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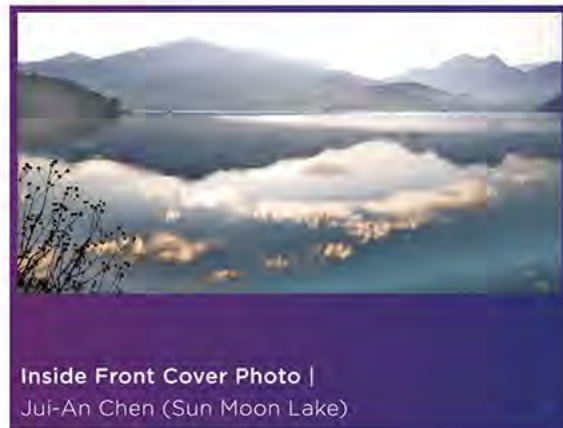
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Editors | Siou-Ling Cheng (Julia), Yu-Chun Liao (Claire), Chun-Han Shih (Adam), and Ching-Yang Siang (Ava)

Executive committee | Office of International Affairs, National Chung Hsing University

Layout and Design | Wing Studio



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Computer and Information Network Center,
National Chung Hsing University

Title Photos |

NCHU Events | Director of Office of Accounting
(Mr. Tien-Chin Yen)

Ascension | NCHU Secretariat Office (Ms. Chia-I Lin)

Research | Dr. Chang-Hsien Yang

Collaboration | College of Engineering (Ms. Yuan-Lan Pan)

Illustrations in "Healthcare" sketched and colored by |
Ching-Yang Siang (Ava)

Preface

Based on the academic focus and creativity for the benefit of humanity as major features of National Chung Hsing University (NCHU), the motivation for establishing the "NCHU ARCH" magazine is to introduce the quality, ethos, and beauty of NCHU to the international community.

The semi-annual magazine "NCHU ARCH" represents a selection of projects from across NCHU that deliver on this commitment through "Ascension", "Research", "Collaboration", and "Healthcare". Through this publication, the aim of service as a principle, or being a chief, is precisely the essence to be extracted from the explorations of academic research and the challenges of administration.

In the second issue, the unit of "Ascension", we report NCHU's remarkable agricultural research in *Bacillus mycoides*, which introduced Dr. Jenn-Wen Huang, Professor of Plant Pathology and Vice President of NCHU. His research team's responses to NCHU's commitment to sustainable agriculture demonstrate improving welfare for human beings to coexist with the environment.

In terms of "Research", we are honored to introduce Dr. Chang-Hsien Yang, Chair Professor of Biotechnology and Vice President of NCHU, whose research team has developed a crucial mechanism of controlling orchid lip formation to diversify flower's color and prolong the flowering period.

In "Collaboration", we highlight two successful international collaborations, the Engineering Summer School Program and Tricontinental Master Program in Global Studies (TRIM).

In the year 2020, society has faced unique challenges and difficulties because of the ongoing COVID-19 pandemic. In the unit of "Healthcare", we are pleased to share our experiences in the scientific epidemic prevention and health education vision with our partner universities worldwide.

On the last page, we present the NCHU Art Gallery's collection, guiding you to witness the beauty and elegance of NCHU, as illustrated in these paintings, pictures, and calligraphy.

NCHU was established in 1919 and has maintained the highest reputation and endeavor throughout Taiwan, with an emphasis on central Taiwan. With an outstanding history in agriculture, and continually pursuing specialized balance and outstanding leadership, NCHU has successfully expanded into a research-oriented comprehensive university with eight colleges.

Dr. Fuh-Sheng Shieu, who was appointed the 15th President of NCHU in 2015, has been very keen on establishing NCHU as a multi-faceted institution. This emphasizes the contemporary value of teaching and research to promote a humanities-oriented academic development, and to strengthen the environment in the fields of chemical engineering, agricultural biotechnology, human and social sciences, arts, and life education, to position NCHU as one of the leading national universities in Taiwan.

In the future, NCHU will actively seek to consolidate regional resources, align with the trends in tertiary education development, plan for the medium- and long-term development and progress of the university, and establish a medical school, in addition to departments in existing and future areas of expertise, as mentioned above, which will continue to be reported in subsequent issues of the "NCHU ARCH" magazine.

Finally, I wish to thank Dr. Chin-Chung Chen, Director of The Art Center of NCHU, who recommended the premium collection of Art to the second issue of ARCH. I also wish to acknowledge the superb support team of Ms. Siou-Ling Cheng (Julia), Ms. Yu-Chun Liao (Claire), Mr. Chun-Han Shih (Adam), and Ms. Ching-Yang Siang (Ava), who have contributed significant efforts over an extended period in helping to develop the "NCHU ARCH" magazine.

Chia-Lin Chang
Vice President for International Affairs,
NCHU

Major Events of NCHU Throughout January-June, 2021

January

- National Chung Hsing University and CH Biotech R&D Co., LTD. collaborated in forming a Research Institute. The first independent institute established through industry-academia cooperation.
- Online agreement between National Chung Hsing University and Mizoram University of India to boost sister school exchange.
- The Office of Forest Sustainability and Green Services of National Chung Hsing University was officially launched.

February

- The Department of Veterinary Medicine of National Chung Hsing University was the first in Taiwan to introduce a realistic isometric simulation of dairy cattle to facilitate clinical teaching.
- The first issue of *NCHU ARCH* was published - the first-ever English magazine of National Chung Hsing University.
- The mystery of orchid color and aging deciphered by National Chung Hsing University was published in the international journal *Nature Communications*.

March

- National Chung Hsing University research team published its scientific breakthrough in *MATTER: International Journal of Science and Technology* for Two-dimensional materials that give components the ability to perceive.
- National Chung Hsing University research team published a new evidence of termites' sea spread across the sea in the international journal *Ecological Entomology*.
- National Chung Hsing University's scholarly publication *Taiwan Journal of Applied Economics* won the 2021 Taiwan Academic Resources Impact in "*Journal Instant Dissemination Award*".
- Pacific Economic Cooperation Council (PECC) led an Asia-Pacific Regional Forum with a theme: "*New Trends in Asia-Pacific Regional Politics and Economics*" launched at National Chung Hsing University.
- Online agreement between National Chung Hsing University and the University of South Bohemia, Czech Republic to enhance sister school exchange.

President,
National Chung Hsing University
Fuh-Sheng Shieu



April

- The world's first "*rice seed AI identifier*" is now online, a jointly developed by the Council of Agriculture and National Chung Hsing University.
- National Chung Hsing University's USR Team received "*Global Views Award*" for Exemplary University of Social Responsibility.
- Natto extract has a significant effect in fighting melanoma and National Chung Hsing University's research was listed in the international journal *Food and Chemical Toxicology*.
- New Belizean ambassador to Taiwan Candice Pitts visited National Chung Hsing University to promote international cooperation in higher education between Taiwan and Belize.

May

- Team from the Agronomy Department of National Chung Hsing University started developing intelligent rice field water management to greatly save water resources.
- The "*Stray Love Walking Together - Stray Animal Reduction and Welfare Practice*" of National Chung Hsing University's USR Social Responsibility Practice Program was launched.
- National Chung Hsing University USR's "*Indigenous Plants Re-flourish in the Aboriginal Tribes of Ren'ai Township*" Program was launched.
- Probiotics for plant health (*Bacillus mycooides*) was introduced.
- International Industry-Academia Exchange Carnival! Taiwan Gloria Center and European Chamber of Commerce Taiwan started a New Chapter of Inter-University International Industry-Academia Cooperation.

June

- GASE e-Newsletter Highlight Column invited NCHU for New Agriculture Keynote Introduction: Innovative Transformation and Scientific Breakthroughs: Smart Agriculture in Taiwan.

ASCENSION

Location
Agricultural Experiment Station(AES), National Chung Hsing University

Photo source
Secretariat Office, National Chung Hsing University (Ms. Chia-I Lin)

Goodwill Ambassador for Taiwan Sustainable Agriculture Jenn-Wen Huang, Vice President, NCHU

Source | Chia-Lin Chang, Distinguished Professor, Department of Applied Economics, NCHU
Chun-Han Shih (Adam), Office of International Affairs, NCHU

Jenn-Wen Huang is a tenured Distinguished Professor at National Chung Hsing University (NCHU). He obtained his Ph.D. degree from the Department of Plant Pathology at the University of Georgia in 1990 and has devoted himself to the development of agricultural non-toxic control, agricultural waste recycling, and agricultural microbial products, with significant contributions to the development of sustainable agriculture.



Photography | Mr. Shih-Hao Tsai

Professor Huang serves in the Department of Plant Pathology at NCHU, specializing in plant disease management, fusarium identification, and crop disease diagnosis, and was awarded the 14th and 15th “National Innovation Award” in two consecutive years, 2017 and 2018. In 2020, he received the “Outstanding Academic-Industry Cooperation Award” and the “2020 Executive Yuan Award for Outstanding Science and Technology Contribution”. Since 2006, Professor Jenn-Wen Huang has isolated more than 1,000 strains from soil and plant samples collected from various regions of Taiwan, from which *Bacillus mycooides* was selected for its dual effects on crop growth and disease control. Several indigenous *Bacillus mycooides* strains were obtained from roots

of tomatoes, rice, and strawberries grown in central Taiwan, promoting crop fertility (for example, tomatoes, lettuce, rapeseed, cabbage, beans, and rice), inducing disease resistance and reducing the occurrence of diseases, such as sheath blight, powdery mildew, bacterial wilt, rust, and reliance on traditional chemical pesticides. The results of major research were patented for two inventions, which were non-exclusively licensed to six enterprises with different formulations and processes.

The “Shen Zhen Shui No. 2” product, derived from the licensed technology of *Bacillus mycooides*, is a safe and non-toxic probiotic biofertilizer and a plant health product made of organic materials, which



Source | VP Prof. Jenn-Wen Huang, National Chung Hsing University

can reduce the use of chemical pesticides. It has also been awarded the “Outstanding Contribution to Science and Technology Award of the Executive Yuan of the R.O.C.”, representing a new model for Taiwan’s agriculture to shift to the non-toxic and safe use of bioproducts. Another representative R&D achievement is “S-H Soil Amendment” (jointly developed with Professor Shou-Kung Sun, Huang’s advising professor at NCHU, hence it is named with the initials of their last names, Sun and Huang), which effectively control soil-borne diseases of a variety of crops by using agricultural and industrial waste such as rice husk, bagasse, oyster shell powder, and mineral ash, and others. The patented formula has been licensed to enterprises and has been widely used in the cultivation of fruits and vegetables in Taiwan.

Professor Huang’s path to agronomy began from childhood. He was inspired by the hard-working and frugal farming spirit of his parents, and the inspiration and guidance provided by Professor Shou-Kung Sun. Over the years, he has been upholding the spirit of protecting nature with the power of nature, growing crops with care, and being sensitive to and friendly with the environment. In 1991, Professor Shou-Kung Sun and he established the “Phytopathological Education Foundation” – later registered with a new name as the “MinSheng Science Technology and Education Foundation” – in the fervent hope that all individuals can give what they earned back to a society for the expectation of environmental co-existence.

Born and raised in the fields, Professor Huang found his lifelong goal in farmland. With the aid of organic components that stimulate the resistance of crops, the research team he leads has developed a variety of biological control products, which, under the nourishment of organic components, are just like the blooming hydrangea fields on the hills of Mt. Yangming in spring, establishing a new model for the sustainable development of Taiwan’s agriculture.



RESEARCH

National Chung Hsing University Decrypts the Mystery of Orchid Flower Color and Aging Published in *Nature Communications*

Source | Chair Professor/Vice President Chang-Hsien Yang, Graduate Institute of Biotechnology



Press Conference: "National Chung Hsing University's Research Team Decrypts the Mystery of Orchid Flower Color and Aging Published in *Nature Communications*"

The team led by Chair Professor/Vice President Chang-Hsien Yang, Graduate Institute of Biotechnology, National Chung Hsing University, proposed the "perianth code" (referred to as the P code) five years ago, which identified the mechanism controlling orchid lip formation. Recently, the team further discovered that the B and AGL6 MADS genes in the SP and L complexes of the "perianth code", in addition to their original important functions of determining the identity of the lip/sepal/petal in the floral organs, also have the multiple new functions of regulating the flower color, sepal and petal senescence, and pedicel abscission. The results of this research have been published online on February 10th in *Nature Communications*, a series journal of *Nature*.

Under the guidance of Chang-Hsien Yang, this research was performed in the National Chung Hsing University by post-doctoral researchers Hsing-Fen Hsu, Wei-Han Chen, Wei-Han Hsu, Wan-Ting Mao, and master student Yi-Hsuan Shen. This research achievement is solely completed by the research team of National Chung Hsing University.

The team found that OAGL6-1/OAP3-1/OPI of the SP complex can not only regulate the formation of flower organs but also can further control the number of anthocyanins and the color of the flowers by regulating the expression of PaMYB12 gene. When the expression of OAGL6-1, OAP3-1, or OPI was suppressed by the VIGS strategy, the expression of PaMYB12 and the amount of anthocyanin decreased, resulting in the significant reduction of the flower color.

In addition, it was found that OAP3-1/OPI of the SP complex not only regulates the formation and color of the sepal/petal but also further regulates the senescence of the sepal and petals by inhibiting the expression of the ethylene downstream genes and senescence-associated genes. When the expression of OAP3-1 or OPI was suppressed by the VIGS strategy, the expression of PeEDF1/2 and PeSAG39 was up-regulated, resulted in the early senescence of the flower organs.

Furthermore, the team also unexpectedly discovered that OAGL6-1 of the SP complex not only regulates the formation and color of the sepal/petal but also regulates the expression of lignin biosynthesis genes in the pedicel and the lignification of the base of the pedicel, thereby controlling the abscission of the flower pedicel. When the expression of OAGL6-1 was suppressed by the VIGS strategy, the expression of PeVND1, PeMYB46, and PeMYB63/85 was up-regulated, resulted in the abolishment of the abscission of the pedicel.

These innovative achievements in the function of Plant B and AGL6 MADS box are the first discoveries in the field of flower development. They have made breakthrough contributions in the field of international flower research. The results were published by the top international journal Nature in January 2021. These novel findings were published in *Nature Communications*, and



Photo source | VP Prof. Chang-Hsien Yang, National Chung Hsing University



Photo source | VP Prof. Chang-Hsien Yang, National Chung Hsing University

significantly enhanced Taiwan's international leading status and visibility in orchid flower research.

In the future, biotechnology and breeding methods can be applied to manipulate the expression of L and SP complex genes. It is expected that orchid flowers with variable colors and a prolonged flowering period will be produced, which will surely increase the diversity of the orchid flower market and the output value of Taiwan's flowers.

Finally, Professor Chang-Hsien Yang expressed their appreciation for the funding of the Ministry of Science and Technology and the Ministry of Education's featured areas research centers of "Higher Education Sprout Project". With the long-term support of basic research from the nation, it will eventually blossom, he said.

Readers can download the full article of this paper, "Multifunctional evolution of B and AGL6 MADS box genes in orchids", on *Nature Communication* official website.



COLLABORATION



Location
College of Engineering, National Chung Hsing University

Photo source
Computer and Information Network Center, National Chung Hsing University

What is TRIM?

Source Prof. Dr. Bernard Y. Kao, Program Director of TRIM, NCHU; Honorary Professor, HKA, Germany



The 5th Generation TRIM Students photographed in Germany with HKA Program Director Prof. Dr. Stefan Bleiweis

When the Tricontinental Master Program in Global Studies (TRIM) started its recruitment of 1st generation students in 2015, no one expected that it would become such an acclaimed master's degree program. Over the years, TRIM has admitted students from Germany, Mexico, Taiwan, El Salvador, Nicaragua, Nigeria, and Thailand. Most of these students were able to complete their studies in two years. They were awarded two master's degrees from the National Chung Hsing University (NCHU) Taiwan, and the Karlsruhe University of Applied Sciences (HKA) Germany, one of the most attractive features of the program. The three universities involved, NCHU, HKA, and the University de Monterey (UDEM) Mexico are located in Asia, Europe, and America, respectively, giving the program its name, "tricontinental".

Students are required to study for one semester at each of the three universities but pay only the tuition fee to the university to which they are admitted, yet another cutting-edge arrangement between the three universities. All the courses are taught in the English language, even though these three universities are not from English-speaking countries. This seems to put them all at an equal disadvantage. Nevertheless, the prominent professors of the TRIM, all learned and experienced, provide clear, thoughtful, and inspiring lectures to the students. They are, undoubtedly, the greatest asset of the TRIM, and the secret of its success.



Program Director Bernard Kao becomes the first non-German Honorary Professor of HKA. (Photo: Ms. Sarah Haser)
From left to right:
Program Director, Prof. Dr. Stefan Bleiweis,
Vice-President, Prof. Dr. Angelika Altmann-Dieses,
Prof. Dr. Bernard Kao,
Dean, Prof. Dr. Michael Schopen

Indeed, some might wonder what "Global Studies" is about. Make no mistake, it has nothing to do with Earth Sciences, that is, the study of the planet on which we live (although TRIM does touch issues on climate change). In fact, TRIM offers an even more fascinating learning experience. Courses provided by the three universities are coherently designed to include knowledge of management, law, politics, economics, culture, and even psychology. Through the study of a wide range of knowledge domains, students acquire not just the knowledge of each professional area, but also different perspectives of the world based on different social and cultural contexts. Victor Maldonado-Garibay, a TRIM alumnus, who currently serves as the Deputy Director of Regulatory Policy, Instituto Federal de Telecomunicaciones Mexico, sums it up well:

"There is nothing else like it out there. It is a true privilege and honor to be part of such a tight and elite group alongside incredibly bright peers from all over the world. It brings you immensely personal and academic growth through all its experiences. To experience the different systems of three different countries on different continents, where you can also learn how to succeed by identifying and playing the rules on diverse scenarios, the ultimate trait of a global leader".



Prof. Dr. Bernard Kao, NCHU (Middle) photographed with Prof. Dr. Stefan Bleiweis, HKA (Right) and Prof. Dr. Osmar Arandia, UDEM (Left)

Study, not hesitation, is the key to success. So what are you waiting for?

For more detailed information, please refer to the TRIM official website:



Graduation Ceremony of TRIM at HKA (2018)

Summer Program Held International Engineering Students from the Sister Universities of NCHU

Source Distinguished Professor Gou-Jen Wang, Dean of College of Engineering, NCHU

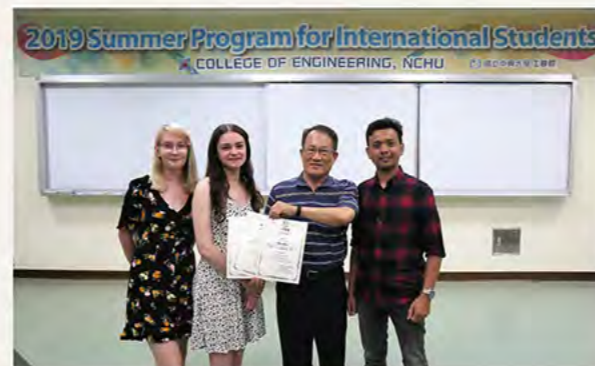
Geographically located between Japan and the Philippines along the west rim of the Pacific Ocean, Taiwan is celebrated for its stunning vibrancy in technology innovation, especially in semiconductor and intelligent manufacturing. It is also one of the leading e-societies in the Asia-Pacific region. These technological and industrial innovation achievements have been highly associated with a distinctive culture comprising a wide array of Aboriginal, Chinese, Japanese, and American elements. The novelty of technology and the cultural beauty of Taiwan deserve more recognition from the world. To that end, the summer program will be held at the College of Engineering, National Chung-Hsing University (NCHU), which offers a series of laboratory experience, technical seminars, industrial field trips, and cultural interaction.

This two-week summer program is intended for engineering students from the sister institutes of NCHU to delve into the advanced engineering technologies and the cultural beauty of Taiwan. Attending students can explore the state-of-the-art engineering technologies developed in Taiwan as well as experience the beauty of this "treasure island". During the two-week program, students also join different directed study programs in selected research groups from Civil Engineering, Mechanical Engineering, Environmental Engineering, Chemical Engineering, Materials Engineering, Precision Engineering, and Biomedical Engineering. At the end of the program, each team presents their research results to their peers and NCHU faculties and administrators. Meanwhile, the College of Engineering provides accommodations, tuition, and



Culture Courses of 2019 Summer Program for international students: participants had a Chinese painting calligraphy course and enjoyed a fan painting.

food expenses for each student who participates in the program. Apart from the instructors, the program provides counselors, translators, and tour guides for certain learning events and occasions. Moreover, each participant will be assigned a host student, who is fluent in English, as a local guide. This allows them to gain more experience with local customs in Taiwan.



Closing Ceremony of 2019 Summer Program for international students: participants took a picture with Dean Wang (left 3) after their final presentations.



Cultural visit of 2019 Summer Program for international students: participants had historic guided tour of Lu Kung Town - a Taiwan historical town - and had experienced a DIY of Taiwan Lion's head craft.

Since 2011, the Summer Program has explicitly been organized around a main objective that enhances the educational collaboration and student exchange between the sister universities of NCHU and the local Engineering students. In recent years, we have hosted international students from the USA, Poland, France, Slovak, Czechia, Japan, Korea, Thailand, Malaysia, Vietnam, and Indonesia. The total number of participants to date is about 220. According to the feedback of the sister universities, the program is a wonderful example of an international exchange that provides critical global experiential learning opportunities for foreign students. Contemporary engineering education must equip students with the ability to face the enormous challenges that continue to change sharply every day. Global opportunities such as our summer program play an important part in this educational process.

Regrettably, it is mandatory that our summer program be cancelled due to the COVID-19 epidemic pandemic for two summers. To establish an exchange platform and maintaining long-term collaborative relationships with sister universities, we earnestly look forward to reopening the program in 2022.





HEALTH CARE

Illustrations in "Healthcare" sketched and colored by Ching-Yang Siang (Ava), Office of International Affairs, National Chung Hsing University

National Chung Hsing University Scientific Strategies and Health Education to Combat COVID-19

Source | Distinguished Professor Chia-Lin Chang, Vice President for International Affairs, NCHU

The year 2020 was filled with challenges and difficulties because of the ongoing COVID-19 pandemic. Under the “New Normal” situation caused by the pandemic, every institution of tertiary education in Taiwan is obliged to make full use of technologies and scientific strategies to overcome the effects of COVID-19. We feel obligated to share our experiences and best practice on scientific strategies and health education in the “NCHU ARCH” magazine with our partner universities overseas.

The core of NCHU’s Scientific Control is as follows:

- (1) Possess instant national and international information on COVID-19;
- (2) Establish pre-emptive actions and standard precautions;
- (3) Provide correct public health measures for personal protection; and
- (4) Promote preventative measures with CARE and EMPATHY.

Based on the number of locally confirmed cases, seasonal factors (such as Christmas and New Year) raise the community’s mobility risk, and domestic and international spread situation, NCHU created four epidemic prevention timelines, namely “high risk I”, “low risk”, “potential risk”, and “high risk II” periods, with prevention measures for each period that are closely linked to the core of NCHU’s Scientific Control.

Epidemiologist Dr. Chao-Chin Chang, Distinguished Professor, Graduate Institute of Microbiology and Public Health, NCHU, advised that NCHU Scientific Control should strictly implement “self-detection”, “self-protection”, and “prevention” in three phases. Moreover, facing the recent rapid spread rate of the pandemic situation in Taiwan, he also advises to maintain a positive attitude and self-management, as follows:

- (1) Avoid unnecessary visits to crowded places;
- (2) Wear masks at all times;
- (3) Wash your hands / sanitize your hands regularly and thoroughly;
- (4) Family members and friends should show EMPATHY and CARE toward each other, and check their body temperatures daily.

In order to ensure that students and faculty are protected and risk managed carefully, NCHU has created a safe and secure environment for work and study. The NCHU Scientific Control and preventative measures include: regular health monitoring through the NCHU real-name system that can track individual health conditions; relevant information dissemination about COVID-19; periodic cleaning and disinfection of the school environment; and efficient allocation of preventative supplies and resources.

NCHU Distance Education continuously delivers a high quality of instruction, where conducive learning is not forfeited during the pandemic. These include the functional distance teaching system through online classes, synchronous teaching, scheduling

of a series of webinars for students, offering different online software for distance teaching; and delivery of internship courses, especially for veterinary medical students following minimum health protocols;

- (1) providing examinations for graduate program admissions, while limiting the number of participants at examination venues;
- (2) minimizing the time of entering university through working remotely;
- (3) working from home scheme;
- (4) large-scale activities, such as employment expo, have been conducted online, following best practice public healthcare, such as personal hygiene, mask-wearing, and social distancing.

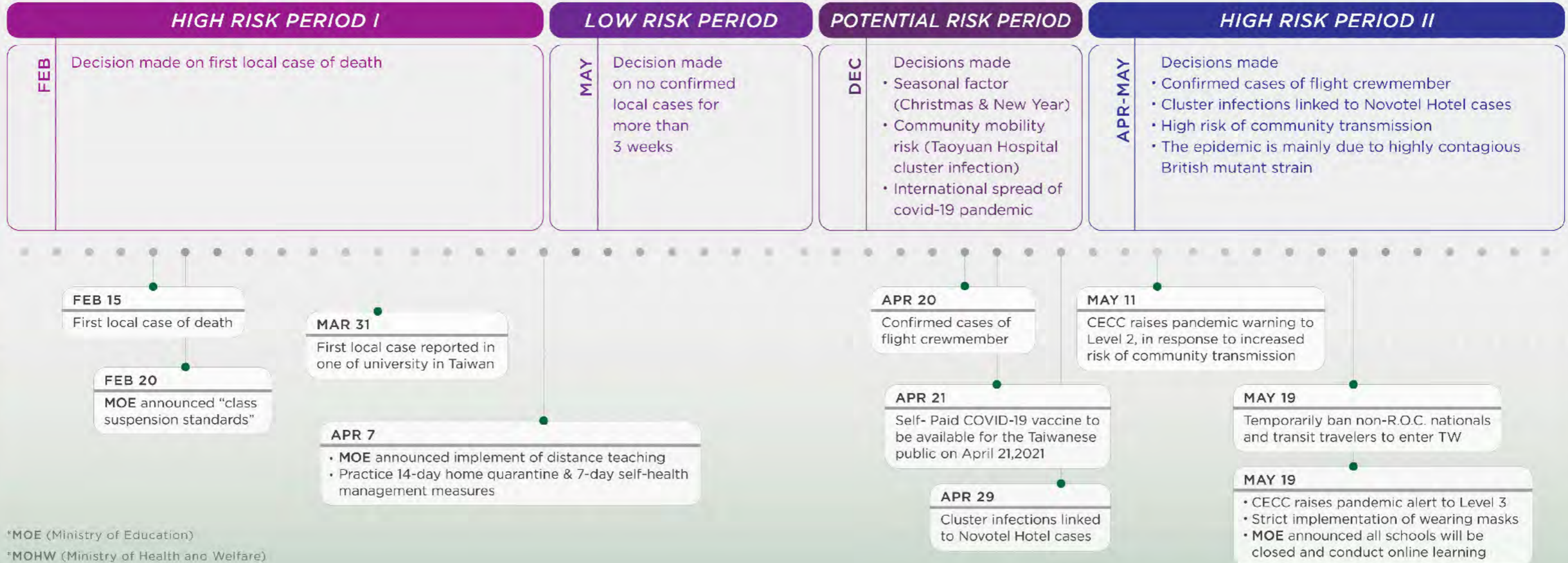
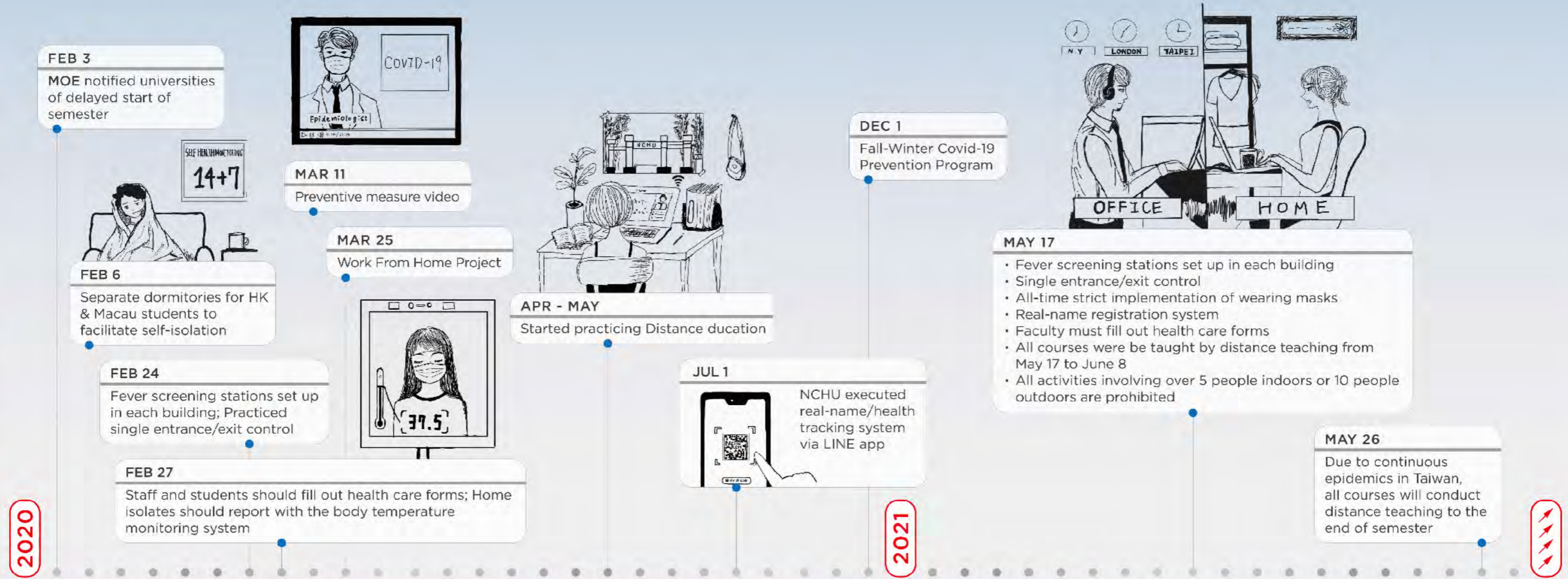
It is recognized and appreciated that staff of NCHU have participated courageously in the unrelenting battle against COVID-19. Moreover, NCHU will ensure the implementation of effective scientific measures for the welfare of overseas students to continue their education in Taiwan, and to maintain close relationships with our partner universities worldwide.

Notes:

1. On 11 March 2021, President Dr. Fuh-Sheng Hsieu, NCHU, was invited by the Foundation for International Cooperation in Higher Education of Taiwan (FICHET) to share experiences in scientific epidemic prevention of NCHU at the “2021 Taiwan-Australia Higher Education Network Forum”.
2. On 11 April 2021, Dr. Chia-Chang, NCHU, Vice-President for International Affairs, was invited by the FICHET to share the university epidemic prevention at the “Taiwan-Russia Higher Education Online Roundtable”.
3. The Office of International Affairs would like to express their sincerest gratitude to Distinguished Professor Chao-Chin Chang, Graduate Institute of Microbiology and Public Health, NCHU, for providing his professional advice, helpful comments and suggestions with regards to epidemiology.



Please refer to QR Code for full article



*MOE (Ministry of Education)

*MOHW (Ministry of Health and Welfare)

中興大學藝術中心

The Art Center of National Chung Hsing University

The Art Center of NCHU averagely holds eight various art exhibitions every year. We believe that art can bring peace of mind and grow humanity in the heart to cope up with different obstacles in life through a balanced spirit by appreciating the beauty of works. At the same time, we also have a consummate collection room and equipment that many artists trust and are willing to donate their great works to NCHU. After over 30 years of efforts and review by our adjudicators, we now have more than 1,500 collections that contain a diverse, rich assortment of works. It is certainly one of the major features of the school art center.

Spring Art: A Joint Exhibition of the Art Center's Collections

18th February to 6th March 2021

To extend the Influence of art collections, we laid out a joint exhibition of the Art Center's collections with the theme of "Spring Art" to present the beautiful and dynamic moment of spring in Taiwan through the renowned artists' painting.

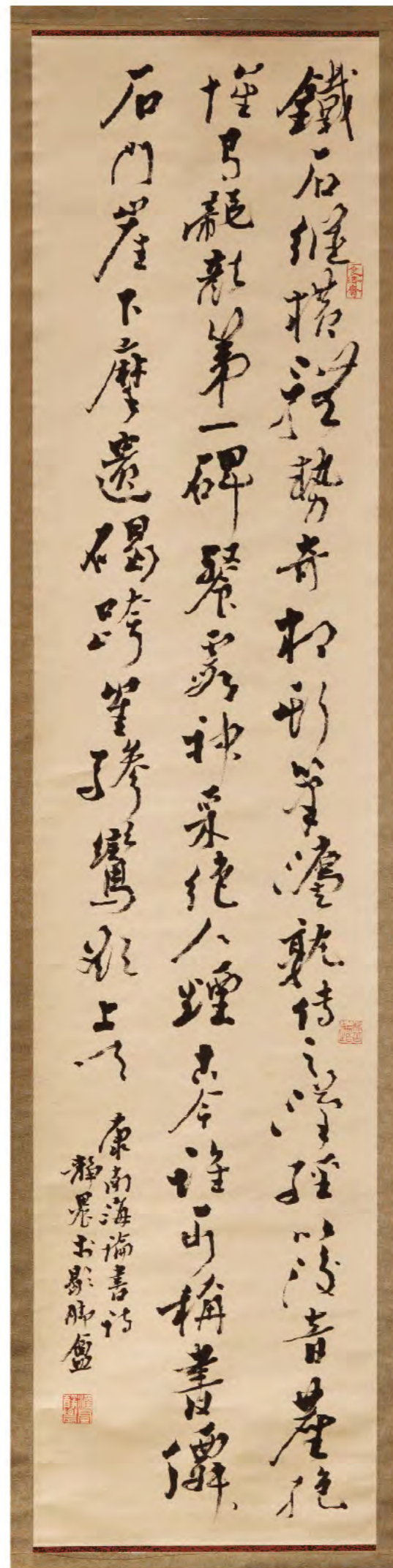
Wind Blowing Through Willows,
Huang Kuang-Nan(1944-),
Ink Wash Painting



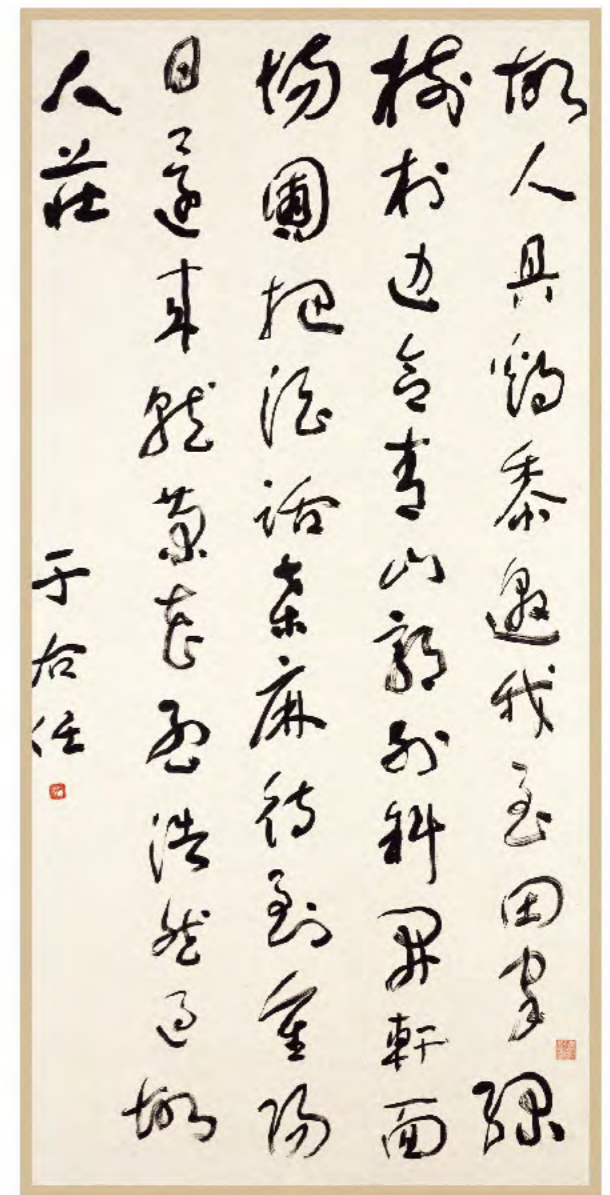


Deer,
Lin Yu-Shan(1907-2004),
Ink Wash Painting

Poem in Running Script,
Tai Jing-Nong(1902-1990),
Calligraphy



Landscape,
Huang Jun-Bi(1898-1991),
Ink Wash Painting



Poem in Standard Cursive Script,
Yu You-Ren(1879-1964),
Calligraphy

Traces of Brush and Ink: Celebrated Artists' Works of Calligraphy and Ink Wash Painting in NMH Collection

11th March to 23rd April 2021

For more than six decades since the National Museum of History's inauguration, numerous exhibitions focusing on the genre of calligraphy, ink wash painting, and a substantial amount of literati art collection are the representation of our cultural richness. Art evolves with time and will culminate into the valuable culture and subject consciousness that embraces the past and the present. For the art of calligraphy and ink-wash painting, the cultural significance and value are the core of the subject's consciousness. Literati art is nurtured in the artist's homeland, resembling local culture and characteristics with distinctive expressions. Different landscapes and environments evoke diverted feelings, cultivate differences in sentiments and aesthetic tastes, which lead to the various painting schools based in distinct areas. Taiwan, with its unique beauty, has nurtured a characteristic world of brush and ink expression that includes influences by the environment and conveys an aesthetic of life and vitality.