



Good Practice in Traditional Chinese Medicine Research Association 中医药规范研究学会



November-December 2022 Newsletter

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The Highlights in December – Announcement of Election Results, and Online AGM

Written by Clara Bik-San Lau, Secretary-General and President-Elect of GP-TCM RA

To our members, two important events have taken place in December: completion of the 6th GP-TCM RA election for President-Elect and members of Board of Directors (BoD), as well as the online Annual General Meeting (AGM).



The new Board of Directors for 2023-2024

According to our Association Bylaws, each BoD member will serve for a term of 2 years and then re-election is required. Hence, the process of the 6th GP-TCM RA election for 9 BoD members (including President-Elect) was started on 28 September, with Prof. Michael Heinrich of University College London and Dr. Anthony Booker of University of Westminster, United Kingdom serving again as the Chairpersons of this election. Following our online election conducted between 9 to 23 November, with two further reminders being sent out on 16 and 22 November to 235 eligible members, the election results were announced on 1 December by email to all members, as well as uploaded on our website. A total of 106 members (45.1 %) had voted for both the new President-Elect and new Board of Directors for 2023-2024 (2-year term) as follows:

President-Elect (for 2025-2026):

■ **Dr Mei Wang**

The new Board of Directors (in alphabetical order of surnames):

■ **Prof. Rudi Bauer**

■ **Professor Yuan Shiun Chang**

■ **Prof. Thomas Efferth**

■ **Dr. Tai-Ping Fan**

■ **Professor Simon Ming Yuen Lee**

■ **Professor Xuanbin Wang**

■ **Prof. Vivian Taam Wong**

■ **Dr. Qihe Xu**

Sincere congratulations to all those who have been elected!

In the latest (77th) BoD meeting, it was agreed to also invite Mr. Abraham Chan, Prof. Pierre Duez, Prof. Aiping Lu, and Prof. Nicola Robinson as co-opt BoD members for the term 2023-2024, and they have all accepted our invitations.

All the above BoD members shall join myself, being the new President, on 1 January 2023 for the 2-year term of service. I here would like to take this opportunity to thank our current President, Prof. Monique Simmonds for her great leadership in these 2 years as well as all the BoD members for their contributions towards our Association.





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The Highlights in December – Announcement of Election Results, and Online AGM

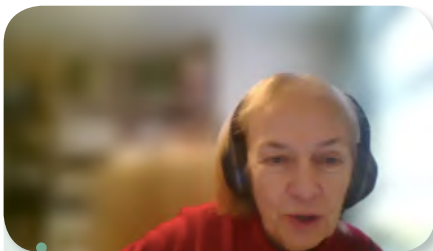


Written by Clara Bik-San Lau, Secretary-General and President-Elect of GP-TCM RA

Annual General Meeting 2022 (online)

Same as previous year, due to the cancellation of our face-to-face Annual Meeting, our AGM 2022 had to be held online again this year on 12 December at 8:30 am UK time (4:30 pm China time) in order to accommodate our members from the different time zones globally.

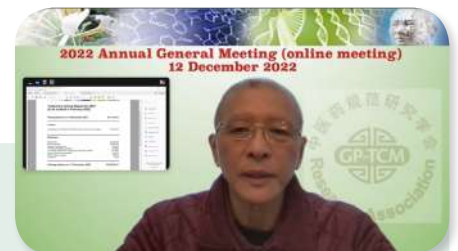
The meeting started with our Treasurer Dr. Tai-Ping Fan who presented the Treasurer's report, with the unaudited accounts for year 2022, explaining in details the different income and expenses items. This is followed by Prof. Monique Simmonds who summarized the achievements of the Association during her 2-years term of Presidency in her President's report. Prof. Clara Lau then delivered the Secretary-General's report on the various activities of the Association taken place in 2022, including the maintenance of membership database and handle new membership applications, the launch of redesigned website, etc. She also reported on the success of the 10th Annual meeting and the workshop, in celebration of the 10th Anniversary of GP-TCM RA, which was held in September and November, respectively. The meeting then proceeded with the approval of the revised Bylaws, and also the first announcement of the 11th Annual meeting to be held in Leiden in September 2023. Furthermore, discussions on issues such as the planning for the future development and activities of our Association were being raised. The 1.25 hours online meeting was attended by 23 members.



Prof. Monique Simmonds
delivered her President's report



Prof. Clara Lau
presented her Secretary-General's report



Dr. Tai-Ping Fan
gave his Treasurer's report



(Cont.) The Highlights in December

First announcement
**The 11th Annual Meeting of
 Good Practice in Traditional Chinese Medicine
 Research Association (GP-TCM RA)
 September 2023
 Leiden, The Netherlands**

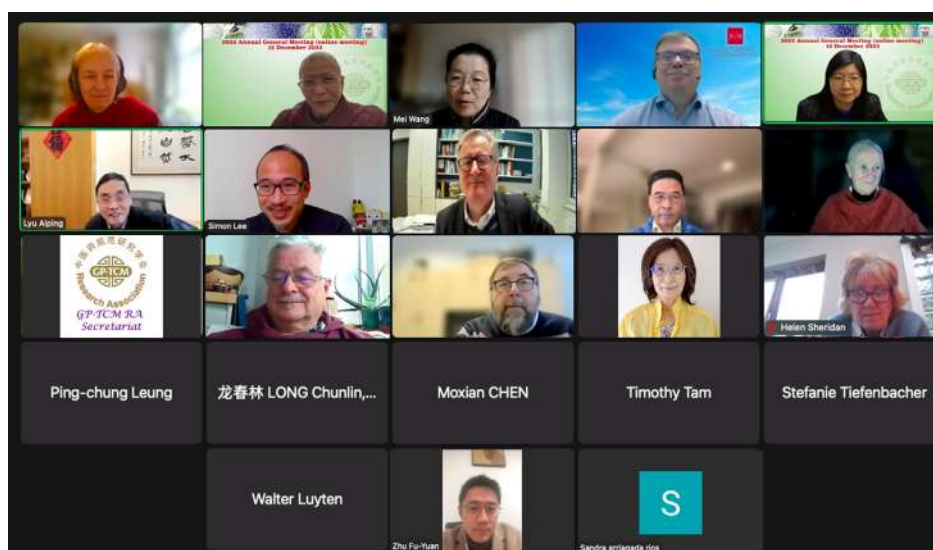


Meeting venue: Fletcher Wellness Hotel Leiden

Our face-to-face Annual Meeting resume!
 Don't miss this great opportunity to present your research work and
 to meet old and new friends!
 All are welcome!

Dr. Mei Wang made the first announcement of the 11th Annual Meeting of GP-TCM RA to be held in Leiden in September 2023

Discussions among our members with very good comments and suggestions on our Association matters including future planning



To this end, 2022 has certainly been a memorable and exciting year for our members, with various events for the celebration of the 10th Anniversary of our Association, including the 10th Annual Meeting (online), the special issue in journal *Phytomedicine*, the redesigned Association website, and the GxP workshop, etc. In 2023, our Association is looking forward to the new term, with the new President and new Board of Directors, and hopefully the resume of our face-to-face Annual Meeting in Leiden, The Netherlands, the founding place of GP-TCM RA. We look forward to the gathering with our members and friends who have continuously support our Association.

**Wish you all a merry Christmas and
 a very happy and healthy new year!**





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The highlights of online workshop “GxP-in TCM research and development: From science-based research to (Agro-) industrial production”

 *Written by Mei Wang and Rob Verpoorte*

On 29th November 2022, Mei Wang and Rob Verpoorte organized on behalf of the GP-TCM RA, an online workshop "GxP-in TCM research and development: From science-based research to (Agro-) industrial production". In the workshop we had about 70 participants.

The invited speakers were



- | | | |
|--------------------------|--------------------------|---------------------|
| ■ Mr. Tjalling Erkelens | ■ Prof. Monique Simmonds | ■ Prof. Albert Chen |
| ■ Prof. Vincent CH Chung | ■ Dr. Thomas Friedemann | ■ Prof. Adam Cohen |
| ■ Drs. Edwin G. Lipperts | ■ Prof. Pang-Chui Shaw | |

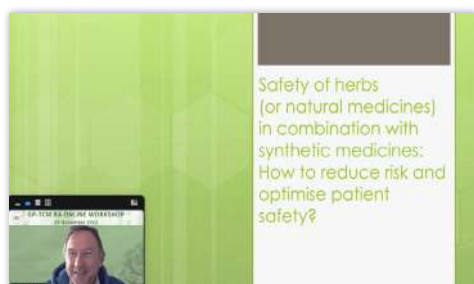
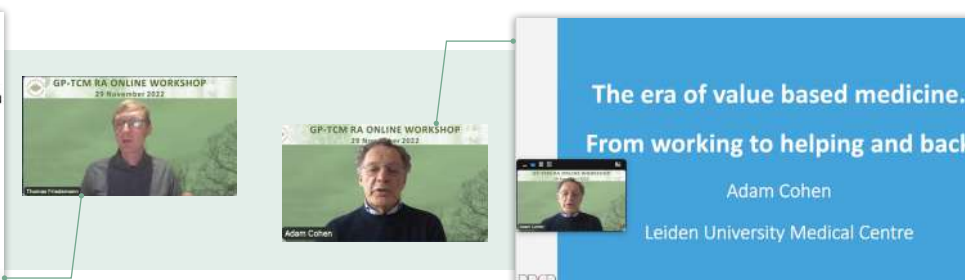
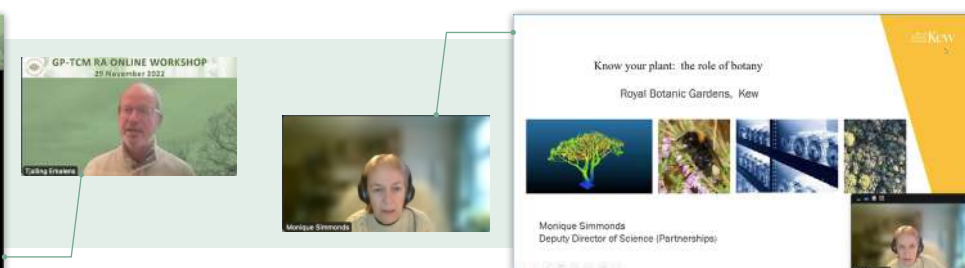
The workshop covered GAP in herbal cultivation; a botanical definition of medicinal plant species; industrial implementation of Good Practices; post market survey registration of interactions of herbal-drugs and western medicines; complete chain of herbal medicine quality assurance, including block chain technology; TCM marketing authorization in Eu/EMA approval; GP in therapy of the patients and clinical trials; and the scientific acceptance of TCM from western medical point view.

The speakers highlighted different aspects for describing GxP for traditional medicines. Particularly what are the hurdles in the road to official registration with, for example, FDA or EMA. That should lead to the identification of the major bottlenecks in the production chain, that would be the basis to develop a proper quality control. In the final discussion we came to some recommendations to meet the major challenges and propose possible solutions for pharmaceutical companies seeking market access for (new) herbal medicinal products based on well-established TCM. Every step in the production from science-based research to (agro-) industrial productions, requires directions for GxP rules. For the production of herbal medicines, the medicinal cannabis might be a good example. There is a breeding program to optimize the medicinal cannabis. In a period of some 2 years one has been able to breed new varieties of medicinal cannabis which are officially sold for different medical applications. In the whole chain, the production to the final formulation can be standardized, though in many cases, lack of knowledge on the active compound(s), is a limiting factor for the quality control. Only a suitable and reproducible standard can be guaranteed for a medicinal plant. The major black box is in the last step: the diagnosis and prescribing a pharmacotherapy. Personalized medicine is a variable in the chain that needs attention.

A deep going discussion developed from the workshop about how to deal with multi compound pharmacology. Moreover, it seems that trainings courses for quality assurance managers would be an interesting activity for the GPTCM RA.

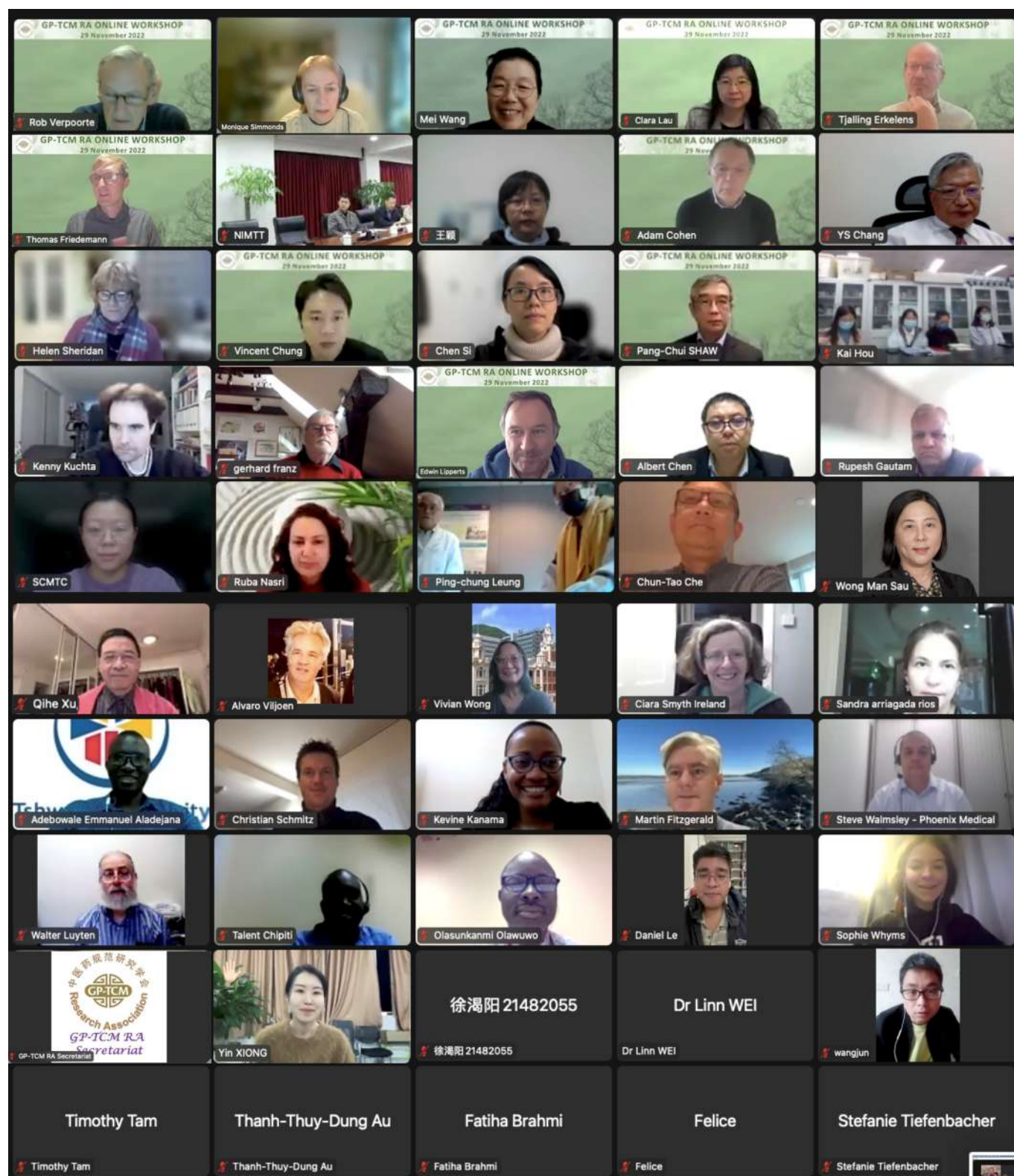


(Cont.) The Highlights of online workshop





(Cont.) The Highlights of online workshop





(Cont.) The Highlights of online workshop

Speaker: Tjalling Erkelens (Bedrocan, NL)

“Cultivation of Cannabis sativa L. and production of standardized cannabis flos as pharmaceutical raw material in a controlled environment”



https://drive.google.com/file/d/1TRmXzsG2MEf_Xgf4yckF8x214xzmaCC/view?usp=share_link

Speaker: Prof. Monique Simmonds (Kew Gardens, UK)

“Know your plant: the role of botany”



https://drive.google.com/file/d/12LxXJF6WqizV4jInd02gsMVSps0XNqQ/view?usp=share_link

Speaker: Prof. Albert Chen (Shanghai, China)

“Problematic Aspects in CMC and GMP of Chinese Manufacturers to Register TCM in the EU”



https://drive.google.com/file/d/1id6b-miFnaRy--5vA1tjzloiF-df5W0N/view?usp=share_link

Speaker: Prof. Vincent CH Chung

(The Chinese University of Hong Kong, HKSAR, China)

“Implementation Science in Traditional, Complementary and Integrative Medicine: An Overview of Experiences from China and the United States”



https://drive.google.com/file/d/1bDxJO3wBwRuAvjZQ-sRUwjaWMhUci118/view?usp=share_link

Speaker: Dr. Thomas Friedemann (ConPhyMed, Germany)

“Evidence based research on the treatment of mild and moderate COVID-19 infection with Shufeng Jiedu Capsules”



https://drive.google.com/file/d/1bDxJO3wBwRuAvjZQ-sRUwjaWMhUci118/view?usp=share_link

Speaker: Prof. Adam Cohen (LCHR, NL)

“The era of value-based medicine. From working to helping and back”



https://drive.google.com/file/d/1dTs9T66u2ikre2APWLyO58t44BV07r5d/view?usp=share_link

Speaker: Dr Edwin G. Lipperts (Natuurapothek, NL)

“Patient advices on possible interactions between medicinal herbs and synthetic medication”



https://drive.google.com/file/d/18lmGlaO68UyHMWphXpAJc3KNBrrZSapS/view?usp=share_link

Speaker: Prof. PC Shaw (The Chinese University of Hong Kong, HKSAR, China)

“HerBChain - A Blockchain-based Informative Platform and Social Enterprise for Quality Assurance of Herbal Products”



https://drive.google.com/file/d/1Jnk4vHb56x80G6R6ysjpZi9r1bK8oSDs/view?usp=share_link



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Warmest congratulations to Dr Tai-Ping Fan and his international team on winning a Second Prize of the 7th International Award for Contribution to Chinese Medicine - Achievement Award in Medical Science of the World Federation of Chinese Medicine Societies



Nominated initially in August 2022 by Academician Keji Chen 陈可冀 (Xiyuan Hospital, Chinese Academy of Traditional Chinese Medicine) and Academician Kaixian Chen 陈凯先 (Shanghai Institute of Materia Medica, Chinese Academy of Sciences), Tai-Ping Fan secured his candidacy for 7th International Award for Contribution to Chinese Medicine - Achievement Award in Medical Science of the World Federation of Chinese Medicine Societies (WFCMS). Endorsed by Professor Sir Tom Blundell, FRS FMedSci MAE, Tai-Ping's formal application in September 2022 was short-listed for an online presentation and Q&A session on 29 October 2022. The overall results of the competition were formally announced on 26 November 2022 at the 19th World Congress of Chinese Medicine (Sao Paulo, Brazil).

With *"Towards the realization of key technologies for innovative drug discovery based on core bioactive molecules derived from the "TCM Liang Principle" for optimization of efficacy and safety"* 中药良关系核心效应物质系列关键辨识技术及药物智创实践 as the title of his presentation, Dr Fan and his team won a Second Prize. Tai-Ping's team members are Xiaohui Zheng, Ye Zhao, Yajun Bai, Pu Jia, Sha Liao (all from Northwest University, Xi'an, China), Mei Wang (SU Biomedicine, the Netherlands), Youyi Zhang (Peking University Third Hospital, Beijing, China), Xiaopu Zheng (The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China) and Yujie Cai (Jiangnan University, Wuxi, China). Some parts of this project had been summarised as an Editorial "A novel drug discovery strategy inspired by TCM philosophies" in the September 2019 issue of the GP-TCM RA Newsletter. An update of the team's recent achievements will be featured in a subsequent report in 2023.

Team members



Tai-Ping Fan



Xiaohui Zheng



Mei Wang



Youyi Zhang



Xiaopu Zheng



Yujie Cai



Ye Zhao



Yajun Bai



Pu Jia



Sha Liao



New members of GP-TCM RA (November – December 2022)

Ordinary Members

Min He	Changchun University of Chinese Medicine, China
Dinesh Kumar Mishra	Indore Institute of Pharmacy, India
Liping Qu	Chengdu University of Traditional Chinese Medicine, China
Mengmeng Sun	Changchun University of Chinese Medicine, China
Yin Xiong	Kunming University of Science and Technology, China





China Medical University, Taichung, Taiwan (Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources)	
Dalian Fusheng Natural Medicine Development Co. Ltd., China	
Heilongjiang University of Chinese Medicine, China	
Hong Kong Baptist University (School of Chinese Medicine)	
Hutchison Whampoa Guangzhou Baiyunshan Chinese Medicine Co. Ltd., China	
Infinitus (China) Company Ltd.	
PuraPharm International (H.K.) Ltd., Hong Kong	
Shanghai Hutchison Pharmaceuticals, China	
Shanghai University of Traditional Chinese Medicine, Shanghai, China (School of Pharmacy)	
Zhejiang Chinese Medical University, China (School of Pharmaceutical Sciences)	
Zhengzhou University of Industrial Technology, China	



- i Mr Iat-seng HO, chief executive of Macau SAR issued letter of appointment to the members of the Commission of Experts and Consultants for the Appraisal of Proprietary Chinese Medicines.

賀一誠向中成藥審評專家顧問委員會成員頒發聘書

澳門日報



【澳門日報消息】中成藥審評專家顧問委員會訊：行政長官賀一誠今日上午在政府總部向中成藥審評專家顧問委員會主席鍾南山院士以及各成員頒發聘書，社會文化司司長歐陽瑜、藥物監督管理局局長蔡炳祥、副局長吳國良及李世恩出席聘書頒發儀式。

News and photo adapted from:

<https://appimg.modaily.cn/amucsite/web/index.html#/detail/9847324>





i The 18th Annual Meeting of CACM Society for Experimental Pharmacology of Chinese Medicines undertook in Nanjing University of Chinese Medicine (NJUCM) on November 10-11, 2022

On November 10, 2022, the 18th Annual Meeting of CACM Society for Experimental Pharmacology of Chinese Medicines (EPCM) was successfully held in Nanjing University of Chinese Medicine (NJUCM). The conference adopted the mixture mode of both online and offline including 300 experts and students in the offline conference in Nanjing, Jiangsu Province, and more than 7000 attendees online.

Prof. Peng Cao, the Dean of School of Pharmacy of NJUCM hosted the opening ceremony. In the opening ceremony, Prof. Zhi-guang Sun, the Vice President of NJUCM, made a welcome speech and introduced the history and development of NJUCM. Prof. Xuan-xuan Zhu, the Vice President and Secretary-General of Jiangsu Pharmacological Society (JSYL), expressed warm congratulations on the grand opening of the conference and extended a welcome to all the participants. Prof. Hong-xi Xu, the Chairman of EPCM, thanked the organizers and volunteers, and all the speakers for their contributions in the meeting.



▲ Prof. Hong-xi Xu, the Chairman of EPCM delivered a speech in the opening ceremony.



▲ Prof. Peng Cao
(the Dean of School of Pharmacy, NJUCM)
presided the opening ceremony.



▲ Prof. Zhi-guang Sun
(the Vice President of NJUCM)
gave a talk in the plenary session.



▲ Prof. Xuan-xuan Zhu,
the Vice President and Secretary-General of JSYL
made a speech in the opening ceremony.



i The 18th Annual Meeting of CACM Society for Experimental Pharmacology of Chinese Medicines undertook in Nanjing University of Chinese Medicine (NJUCM) on November 10-11, 2022



A total of 277 abstracts were received, covering the fields of metabolic diseases, immune pharmacology, cardiovascular pharmacology and so on. The total number of abstracts has reached a record high. The number of registered participants of this conference was more than 1,000 and with over 10,000 online audiences, which was widely concerned and played a great influence. The conference had 3 invited experts' presentations and 15 experts' presentations. At the same time, an international symposium on Chinese Medicine and Regenerative Medicine was also held. On November 11, 2022, 11 experts and scholars from Hong Kong at the Hong Kong universities Pharmacy sub-forum, and 16 young scholars at the Youth Scholars sub-forum shared their latest achievements with the audiences. The 19th Annual Conference of EPCM will be held in Fuzhou, Fujian (Dong Mei).



Article written by Dong Mei, Nanjing University of Chinese Medicine and provided by Prof. Xuanbin Wang, BoD member of GP-TCM RA.



▲ Meeting onsite of Nanjing University of Chinese Medicine



▲ Group photo of experts attending the meeting



Best Practice in the chemical characterisation of extracts used in pharmacological and toxicological research —The ConPhyMP—Guidelines^{1,2}

Author: Michael Heinrich, Banaz Jalil, Mona Abdel-Tawab, Javier Echeverria, Žarko Kulić, Lyndy J. McGaw, John M. Pezzuto, Olivier Potterat & Jia-Bo Wang on behalf of the ConPhyMP Advisory Group

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BEST PRACTICE IN THE CHEMICAL CHARACTERISATION OF EXTRACTS USED IN PHARMACOLOGICAL AND TOXICOLOGICAL RESEARCH—THE CONPHYMP—GUIDELINES^{1,2}

Michael Heinrich^{1*}, Banaz Jalil¹, Mona Abdel-Tawab^{2†}, Javier Echeverria^{3†}, Žarko Kulić^{4†}, Lyndy J. McGaw^{5†}, John M. Pezzuto^{6†}, Olivier Potterat^{7†}, Jia-Bo Wang^{8†} on behalf of the ConPhyMP Advisory Group[†]

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Background: Research on medicinal plants and extracts derived from them differs from studies performed with single compounds. Extracts obtained from plants, algae, fungi, lichens or animals pose some unique challenges: they are multicomponent mixtures of active, partially active and inactive substances, and the activity is often not exerted on a single target. Their composition varies depending on the method of preparation and the plant materials used. This complexity and variability impact the reproducibility and interpretation of pharmacological, toxicological and clinical research.

Objectives: This project develops best practice guidelines to ensure reproducibility and accurate interpretations of studies using medicinal plant extracts. The focus is on herbal extracts used in pharmacological, toxicological,

Abbreviation: ATR-IR, attenuated total reflection-infrared spectroscopy; GC-FID, gas chromatography-flame ionization detection; GC-MS, gas chromatography-mass spectrometry; HPLC-MS, high performance liquid chromatography-mass spectrometry; HPLC-UV, high performance liquid chromatography-ultraviolet; HPLC, high performance thin layer chromatography; LC-MS, liquid chromatography-mass spectrometry; NMR, nuclear magnetic resonance; TLC, thin layer chromatography; SPSS, statistical package for social sciences.

Keywords: ATR-IR, attenuated total reflection-infrared spectroscopy; GC-FID, gas chromatography-flame ionization detection; GC-MS, gas chromatography-mass spectrometry; HPLC-MS, high performance liquid chromatography-mass spectrometry; HPLC-UV, high performance liquid chromatography-ultraviolet; HPLC, high performance thin layer chromatography; LC-MS, liquid chromatography-mass spectrometry; NMR, nuclear magnetic resonance; TLC, thin layer chromatography; SPSS, statistical package for social sciences.

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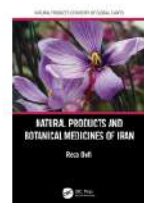
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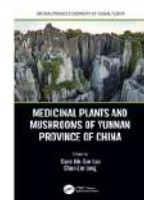
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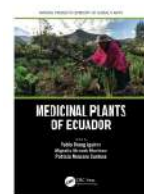
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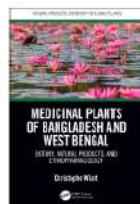
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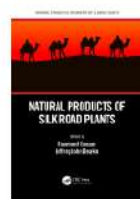
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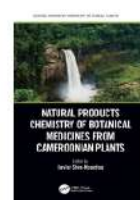
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April 2023 264pp, pb: 978-1-032-07777-2: £74.99

www.routledge.com/9781032077772

This unique book series focuses on the natural products chemistry of botanical medicines from different countries such as Turkey, Sri Lanka, Bangladesh, Vietnam, Brazil, China, S. Africa, Thailand, Borneo, Cameroon, Uganda and Madagascar. These fascinating volumes are written by experts from their respective countries. The series will focus on the pharmacognosy, covering recognized areas rich in folklore as well as botanical medicinal uses as a platform to present the natural products and organic chemistry. Where possible, the authors will link these molecules to pharmacological modes of action. The series intends to trace a route through history from ancient civilizations to the modern day showing the importance to man of natural products in medicines, in foods and a variety of other ways.

Women Scientists in Ethnopharmacological Research

Statistics show that women remain under-represented in areas of Science and this is also reflected by their under-representation on the editorial boards of scientific journals. In view of the commitment of Elsevier to address this disparity, and in line with our inclusive approach to embrace and promote diversity, the *Journal of Ethnopharmacology* (JEP) will be devoting a special issue to showcase and celebrate distinguished women researchers in the field of Ethnopharmacology. The special issue will be a collection of experimental and review papers submitted by female corresponding authors. We encourage submissions that are related to women's health, but this is not mandatory.



The Guest Editors for this special issue are our own women Associate and Managing Editors:

Associate Editors

- **Prof. Clara Bik-San Lau**
The Chinese University of Hong Kong, China
- **Prof. Esra Küpeli Akkol**
Gazi University, Turkey
- **Prof. Patricia Dias Fernandes**
Federal University of Rio de Janeiro, Brazil
- **Prof. Khozirah Shaari**
University of Putra Malaysia, Malaysia
- **Prof. Ling-Dong Kong**
State Key Laboratory of Pharmaceutical Biotechnology, Nanjing, China

Managing Editors

- **Dr. Sandra Combrinck**
Tshwane University of Technology, South Africa
- **Prof. Esra Küpeli Akkol**
- **Dr. Gerda Fouche**
University of Pretoria, South Africa
- **Dr. Maxleene Sandasi**
Tshwane University of Technology, South Africa
- **Dr. Ilze Vermaak**
Tshwane University of Technology, South Africa

Submission Information

Please submit your manuscript by July 31st, 2023.

Submission platform: Editorial Manager <https://www.editorialmanager.com/jethno/default2.aspx>

Please refer to the Guide for Authors to prepare your manuscript and select the correct article type when submitting your manuscript online. Both the Guide for Authors and the submission portal could be found on the Journal Homepage here:

Journal of Ethnopharmacology ScienceDirect.com by Elsevier

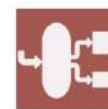
https://www.sciencedirect.com/journal/journal-of-ethnopharmacology?start_rank=701&cat0=agricultural-and-biological-sciences

You will be requested to upload a small photograph and short biography (max 200 words) for each author.





Topic	Special Issue "Functional Food and Safety Evaluation"
Deadline	15-June-2023
Details	https://www.mdpi.com/journal/foods/special_issues/O6W8R54B3T
 Editor(s)	Dr. Shun-Wan Chan Faculty of Science and Technology, Technological and Higher Education Institute of Hong Kong Dr. Huan Zhang Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China



Topic	Special Issue "Natural Products for Drug Discovery and Development"
Deadline	30-April-2023
Details	https://www.mdpi.com/journal/processes/special_issues/Natural_Drug
 Editor(s)	Antony Kam, Nanyang Technological University, Singapore Shining Loo, Nanyang Technological University, Singapore Simon Ming-Yuen Lee, University of Macau, Macao, China





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Queries	Any enquiries about the journal can be sent to editorialoffice@amm-journal.org

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Twitter: @AMM_journal





澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

i

Full/Associate/Assistant Professor in Chinese Medicine,
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_cm_faa_07_2022/

ii

Full/Associate/Assistant Professor in Chinese Medicine
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_cm_faa_03_2022/

iii

Full/Associate/Assistant Professor in Pharmaceutical Regulatory Sciences
Institute of Chinese Medical Sciences. University of Macau, China



Details: https://career.admo.um.edu.mo/icms_prs_faa_03_2022/



香港中文大學
The Chinese University of Hong Kong

iv

Research Assistant(s), Institute of Chinese Medicine,
The Chinese University of Hong Kong



Details: https://cuhk.taleo.net/careersection/cu_career_non_teach/jobdetail.ftl?job=210002PD&tz=GMT%2B08%3A00&tzname=Asia%2FMacau

v

Postdoctoral Fellow(s), Institute of Chinese Medicine,
The Chinese University of Hong Kong



Details: https://cuhk.taleo.net/careersection/cu_career_non_teach/jobdetail.ftl?job=210002PE&tz=GMT%2B08%3A00&tzname=Asia%2FMacau



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Research Assistant Professor, School of Chinese Medicine,
Hong Kong Baptist University

vi



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6572&f=job_details

Post-Doctoral Research Fellow,
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

vii



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6742&f=job_details

Research Assistant Professor (Chinese Herbal Medicine and Gut Microbiology),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

viii



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6740&f=job_details

Research Assistant Professor (Gut Immunology),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

ix



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6739&f=job_details

Research Assistants (Basic Science),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

x



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6741&f=job_details

Research Coordinator,
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xi



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6736&f=job_details

Senior Research Assistant (Clinical),
Centre for Chinese Herbal Medicine Drug Development,
School of Chinese Medicine, Hong Kong Baptist University

xii



Details: https://hro.hkbu.edu.hk/index.php?page_id=6&job_id=6738&f=job_details



i Macau, China, Postdoctoral Fellow, University of Macau

University of Macau (UM) Postdoctoral Fellow

(Reference No.: UMTF/UMRAP/UMPF/12/2022)

UM Postdoctoral Fellow scheme under the UM Talent Programme aims to attract high-calibre talents to conduct research activities to strengthen the University's capabilities in academic research and technological innovation.

Institute of Chinese Medical Sciences / State Key Laboratory of Quality Research in Chinese Medicine (University of Macau) now invite applications for the position UM Postdoctoral Fellow

(Website: <https://sklqrcm.um.edu.mo/>)

Applications are invited for Postdoctoral Fellow on a 2-year contract basis.

Requirements



1. Holder of PhD degree or equivalent degree from top-ranked universities or disciplines;
2. Holder of PhD degree for less than 2 years. Applicants with doctoral degree award expected within 6 months upon closing of application will be considered;
3. Proven record of outstanding academic achievement, including publications, patents, presentations and academic awards;
4. Current UM Postdoctoral Fellowship and Associateship appointees are not eligible for application.

Remuneration

A taxable annual remuneration between MOP336,000 and MOP480,000 (approximately USD41,480 to 59,250) will be commensurate with the successful applicants' academic qualification and relevant professional experience. The current local maximum income tax rate is 12% but is effectively around 5% – 7% after various discretionary exemptions experience.

Next page




i Macau, China, Postdoctoral Fellow, University of Macau


University of Macau (UM) Postdoctoral Fellow

(Reference No.: UMTF/UMRAP/UMPF/12/2022)

Application Procedure

1. Applicants should apply online via  <https://talent.rsms.um.edu.mo/login/OALogin.jsp> on or before 31 January 2023;
2. Required documents for application include:
 - 1) Detailed Curriculum Vitae;
 - 2) Academic certificate;
 - 3) Performance summary form (template available on application system);
 - 4) Research proposal (template available on application system);
 - 5) Five representative academic publications.

Please upload the above documents to your online application.



For any enquiries, please contact Research Services and Knowledge Transfer Office at rskto_umtp@um.edu.mo.

Website: <https://rskto.um.edu.mo/>. 

Tel: +853 8822 4210.

University of Macau, Av. da Universidade, Taipa, Macau, China

Personal data provided by applicants will be kept confidential and used for recruitment purpose only



Student's Corner

Postgraduate Opportunities

Opportunities in Europe

Germany



https://academicpositions.com/ad/cologne-graduate-school-ageing-research-cga/2022/12-fully-funded-phd-positions/181690?utm_source=facebook&utm_medium=cpc&utm_campaign=scm-cga-092022+med-hi



<https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/humboldt-research-fellowship>



<https://www.daad.de/en/study-and-research-in-germany/>



Postgraduate Opportunities

Opportunities around the world

Graz - Austria



<https://agristok.net/2022/09/03/phd-fully-funded-position-in-plant-molecular-biology-at-university-of-graz-in-austria/>

International



https://jobs.msd.com/gb/en/job/R197090/Scientist-Medicinal-Chemistry/?utm_source=linkedin&utm_campaign=job-share&utm_medium=social-share

Denmark



<https://www.dtu.dk/om-dtu/job-og-karriere/ledige-stillinger/job?id=d2e2591d-1d14-43ff-8557-6e6ce0fc3a58>



Postgraduate Opportunities

Opportunities around the world

Australia



University of Melbourne

<https://lnkd.in/dxjXv-JJ8>



Ireland



Irish Research Council

<https://research.ie/funding/>

Singapore



<https://lnkd.in/dra7MV8>



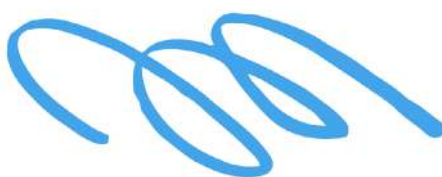
Scientists wanting to go into business – fully Undergraduate/ Postgraduate/ PhD graduate degrees in Management – Basic degree multi centre with significant funding

– **VERY INTERESTING PROGRAMME**

<https://www.spjain.ae>

UK: register for job alerts

<https://charnwoodmolecular.livevacancies.co.uk/#/>





Freely Accessible Learning Material

Interesting articles

Studying abroad



https://www.science.org/content/article/doing-research-abroad-felt-lonely-heres-how-i-made-friends?utm_campaign=SciMag&utm_source=Social&utm_medium=LinkedIn

Intellectual property



https://micheonip.com/intellectual-property-non-disclosure-agreement/?utm_campaign=Michelson&20Institute%20for%20intellectual%20Property&utm_content=212335938&utm_medium=social&utm_source=linkedin&hss_channel=lcp-42772499

like

Freely Accessible Learning Material

Online learning Platforms



Fantastic resource. Courses from all disciplines. Free to study. Accreditation available at a cost. Well worth exploring

- <https://www.edx.org/>
- <https://englishforuniversity.com/resources/>
- <https://owl.purdue.edu/>



Webinar- How To Avoid Plagiarism?

Webinar to give information re plagiarism

- <https://www.youtube.com/watch?v=sHhGY4c61v4>
- <https://www.youtube.com/watch?v=33R43YF9DzI>





Freely Accessible Learning Material

Free Lecture series

Integrative Medicine Research Lecture Series

Information and resources from the National Center for Complementary and Integrative Health, U.S. National Institutes of Health (NIH).

- www.nccih.gov

GREAT SELECTION OF WEBINARS

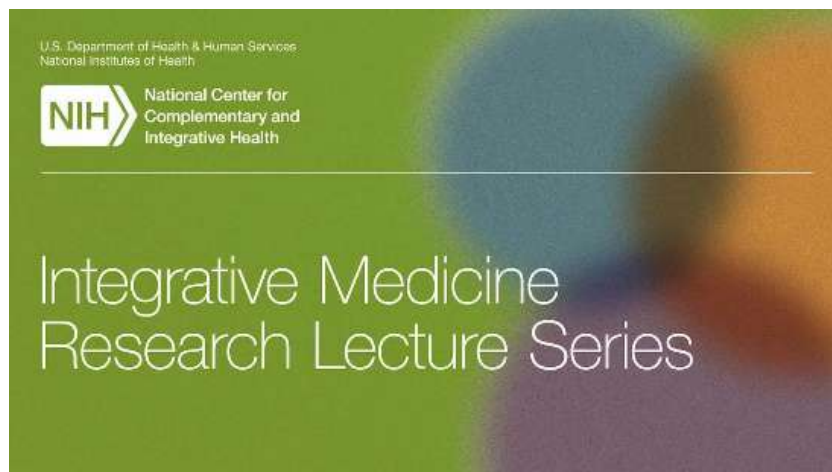
- <https://www.herbalgram.org/news/webinar-page/>



KEEP AN EYE ON

<https://www.pharmacognosy.us/>

<https://www.herbalgram.org>



<https://www.nccih.nih.gov/news/events/imlectures?nav=li>



Great Selection of Webinars - From the Sustainable Herbs Programme

Botanical Supply Sustainability in the Time of COVID

- <https://vimeo.com/457513678>

Plants, People & Culture: The Science of Ethnobotany

- <https://vimeo.com/460565477>



The Business Case for Sustainability

- <https://vimeo.com/465447452>

Cross-cultural Understanding of Local Herbal Knowledge and Chinese traditional Daodi Materia Medica

- <https://vimeo.com/668389245>

Sourcing Botanicals and Quality Control: A Conversation with Michael Heinrich and Anthony Booker

- <https://vimeo.com/642467580>

Introducing the WildCheck Report: Assessing Risk & Opportunities of Trade in Wild Plant Ingredients

- <https://vimeo.com/704246800>

Certifications as a Path to Sustainability? A Conversation about the Opportunities and Limits of Certification

- <https://vimeo.com/540314958>



AND MANY MORE

<https://vimeo.com/457513678>





Buchi Mini series of webinars – covering Drug Discovery Using Natural Resources



The speaker: Prof. Dr. Elfahmi

There is a separate registration requirement for each webinar.

https://cloud.infohub.buchi.com/drug-discovery/with-prof-elfahmi?utm_source=email1&utm_medium=email&id=00Q3X00001MfiqzUAB&id_mc=34316261&utm_campaign=gl-2022-webinars-mini-webinars-with-prof-elfahmi&cloudpage_id=4865&cloudpage_id2=&cloudpage_id3=



Episode 1: Drug Discovery and Development Workflow

Discover four essential steps in drug discovery and development: literature review & preliminary screening, biology development, physiochemical & pharmaceutical development. Gain a process overview for the isolation of active compounds from plants using bioactivity-guided fractionation.



Episode 2: Concentration of Natural Products

Explore the workflow for processing of natural compounds: sampling & crushing, extraction & concentration; fractionation & purification; structure identification and product packaging. Learn about extract/fraction concentration through solvent removal by rotary evaporation. Find challenges and solutions to efficiency, foaming, bumping, plus optimization tips for temperature difference, pressure values, flask size, rotation speed and condenser loading.



Episode 3: Purification Techniques for Natural Products

Learn fundamentals and protocols for relevant methods, including liquid-liquid fractionation (phase separation), winterization, microporous resin chromatography, flash and vacuum liquid chromatography, radial chromatography, crystallization, preparative column chromatography. See it in action with a case study on the purification of asiaticoside & madecassoside from *Centella asiatica*.



Episode 4: Past, Present and Future of Herbal Medicines

Gain a comprehensive overview of the history of plant use in drugs and pharmacy, including milestones in the development of herbal medicines. See current global use, benefits and challenges facing alternative or traditional medicine. Look into the future of herbal medicine development with predictions on how this branch will develop.





International Conferences

Conference information

Lots of interesting and relevant conferences to be found at these links.

Traditional medicine Conferences in 2023

- <https://waset.org/traditional-medicine-conferences-in-2023>



Phytochemistry Conferences

- <https://waset.org/phytochemistry-conferences>

2nd Global Summit on Traditional and Alternative Medicine (GSTAM2023) will be held in Osaka, Japan during April 24-26, 2023

- <https://www.thescientistt.com/2023/traditional-medicine-summit>

International Conferences

GA Conference Trinity College Dublin Ireland

NatPro, the trinity Centre for natural product Research, is privileged to host the 71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) at Trinity College Dublin, taking place from 2nd to 5th July 2023.

<https://www.tcd.ie/natpro/events>

This will be the first time the GA Congress will be held in Ireland and will involve four days of international science and networking opportunities through a program of plenary lectures, keynote presentations, short lectures, workshops and exhibitions. Further, it will be an opportunity to visit the Emerald Isle!



71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)

2-5 July 2023 | Trinity College Dublin | Ireland

Join us at Trinity College Dublin

located in a beautiful campus in the heart of Dublin's city centre, a location with history that spans over 400 years and Ireland's highest ranked university.

Visit the Emerald Isle
Embrace the Irish spirit that blends traditions with innovation.
Ireland Awaits You!

For more information, visit:
GA2023 Congress website: www.gadublin2023.com
GA homepage: www.ga-online.org
Contact email: ga2023@tcd.ie



**Trinity College Dublin**Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

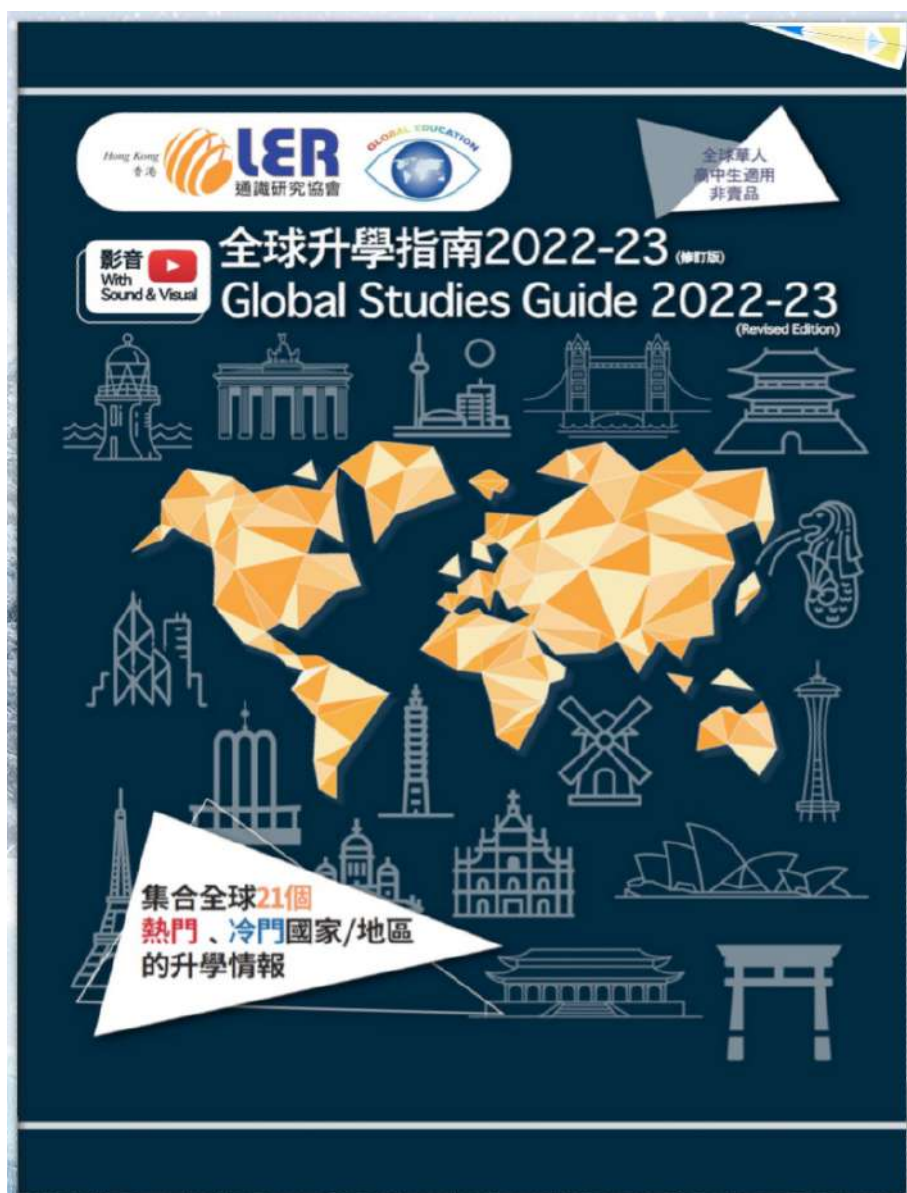
i

China Scholarship Council (CSC) – Trinity College Dublin Joint Scholarship Programme

Details: <https://www.tcd.ie/study/international/scholarships/Postgraduate/csc.php>



i Global Studies Guide 2022-23



Details: <https://online.fliphtml5.com/pwsrn/pjso/>



香港中文大學中醫學院

School of Chinese Medicine
The Chinese University of Hong Kong



PhD in Chinese Medicine
School of Chinese Medicine ,
The Chinese University of Hong Kong



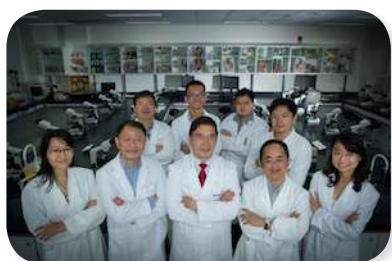
Details: <http://www.scm.cuhk.edu.hk/en-gb/programs/research-master-doctoral-program/phd-in-chinese-medicine>

ii



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

School of 中醫藥學院
Chinese Medicine



Doctor of Philosophy (PhD) in Biomedical Sciences/
Chinese Medicine/ Translational Medicine/ Pharmacy in
Chinese Medicine
School of Chinese Medicine, Hong Kong Baptist University



Details: https://scm.hkbu.edu.hk/en/education/research_postgraduate_programmes/index.html#list/0

iii



LKS Faculty of Medicine
The University of Hong Kong
香港大學李嘉誠醫學院



中醫藥學院



PhD in Chinese Medicine
School of Chinese Medicine, The University of Hong Kong



Details: <https://scm.hku.hk/Views/Programme/English-MPhilPhD.html>

iv



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



中藥質量研究國家重點實驗室 (澳門大學)
Laboratório de Referência do Estado para Investigação de
Qualidade em Medicina Chinesa (Universidade de Macau)
State Key Laboratory of Quality Research in Chinese Medicine
(University of Macau)

中華醫藥研究院
Instituto de Ciências Médicas Chinesas
Institute of Chinese Medical Sciences



Doctoral Degree in Biomedical Science
Institute of Chinese Medical Sciences, University of Macau

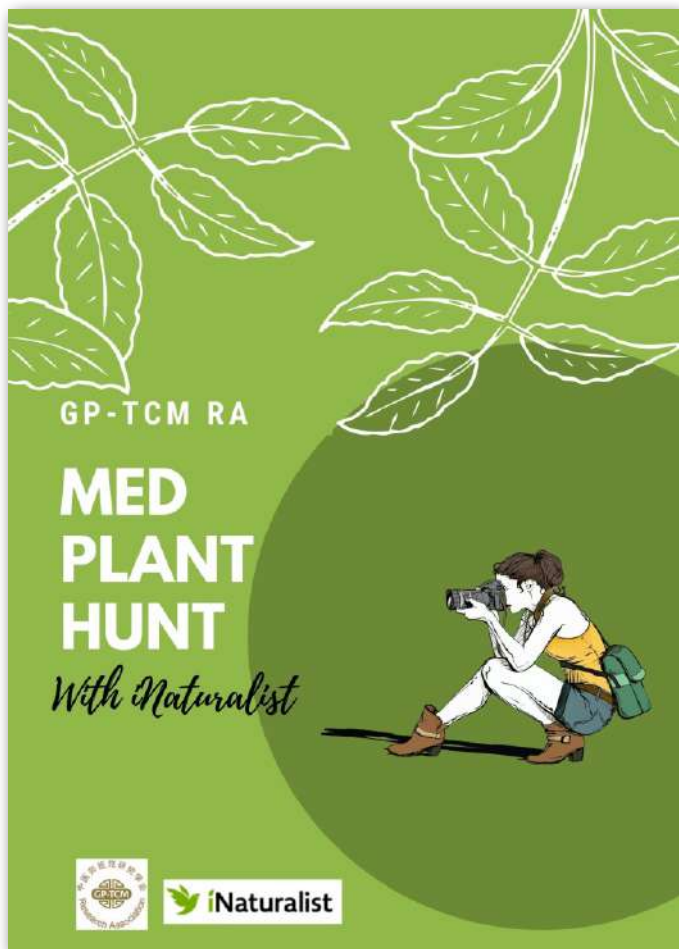


Details: <https://sklqrcm.um.edu.mo/doctoral-degree-in-biomedical-science/>

v

Med Plant Hunt with iNaturalist

i



In order to promote conservation of wildlife, especially wild medicinal plant and TCM herbs, and their environment, a challenge on **“Med Plant Hunt”** is launched.

The aim of challenge is to encourage our members to identify and recognize the morphological features of living wild medicinal plant in nature.

Eligibility:

Med Plant Hunt is free and open to all GP-TCM RA members.

Entries must abide by the guidelines below.

Rules & Guidelines:

iNaturalist is a nature app to help you identify the animals and plants around you and provide a platform to connect you and experts to share about nature. Users can record and share their observations and the findings can enrich scientific data repositories like the Global Biodiversity Information Facility.

Create your own account and share your wild medicinal plant observation to mobile iNaturalist app or iNaturalist website.

How to enter:

1. Complete the registration form with iNaturalist user ID.
2. Make the observation of living wild medicinal plant around you with iNaturalist app/website.
3. With the submitted iNaturalist ID, your observation for entry will be automatically recorded and results will be announced in the coming issue of the newsletter.



How to join



Registration form



How to upload

For inquiries about Med Plant Hunt, please send email to

gptcm_medplanthunt@outlook.com



Med Plant Hunt with iNaturalist

i



Prizes:

- **Adventurous Observer:** The highest number of observed species
- **TCM Photographer:** Best photo shoot
- **Lucky Observer:** Observe rare species



The selected entries will be published on the next issue of the newsletter. An electronic certificate and a **complementary gift** (e.g. water bottle ideal for outdoor activities, sponsored by Macau Pharmacology Association) will be given.



澳門藥理協會

MED PLANT HUNT

With iNaturalist

Med Plant Hunt Registration Form

Name:

Email:

Affiliation:

Country or region:

iNaturalist account information

User name:

User email:

(Please send the form to gptcm_medplanthunt@outlook.com for registration)



Online registration



How to join



Registration form



How to upload



Dahurian angelica (*Angelica dahurica* var. *dahurica*, Apiaceae, 白芷, left) and Taiwan angelica (*Angelica dahurica* var. *formosana*, Apiaceae, 杭白芷, right)



Official in Chinese pharmacopoeia, the dried root of Dahurian angelica (*Angelica dahurica* var. *dahurica*) or Taiwan angelica (*Angelica dahurica* var. *formosana*) is known as the Chinese medicinal *baizhi* (*angelicae dahuricae radix*). *Angelicae dahuricae radix* releases the exterior, dispels wind, unblocks the orifices, relieves pain, dries dampness, alleviates discharge, reduces swelling, and drains pus. It is indicated for externally contracted wind-cold with headache and nasal congestion, vaginal discharge, sores and carbuncles.

Angelica dahurica (purplish green stem and hairless ovary and fruit) and its variety *formosana* (hairy ovary and fruit) have been cultivated for medicinal purposes since the Ming Dynasty (1368-1644). The former is the botanical origin of medicinal materials produced in Henan and Hebei provinces, and the latter is that of Sichuan and Zhejiang provinces.

Angelicae dahuricae radix in commerce is sourced entirely from medicinal crops. The advancement in cultivation techniques and the implementation of Good Agricultural Practice (GAP) for traditional Chinese medicinal materials have facilitated the sustainable utilization of medicinal resources such as *Angelica dahurica* and its variety *formosana*.

白芷

伞花为素美名扬
与蕙交融共远长
墨客文人常落笔
谁人又晓痛时忙

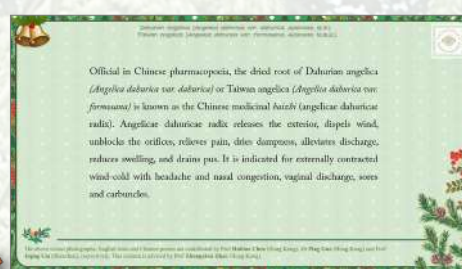
杭白芷

风中独立自芬芳
卵叶素花根近方
若有眉间棱骨痛
谁人不是忆苏杭

The above colour photographs, English texts and Chinese poems are contributed by Prof **Hubiao Chen** (Hong Kong), Dr **Ping Guo** (Hong Kong) and Prof **Jiqing Liu** (Shenzhen), respectively. This column is advised by Prof **Zhongzhen Zhao** (Hong Kong).



Dahurian angelica (*Angelica dahurica* var. *dahurica*, Apiaceae, 白芷, left) and Taiwan angelica (*Angelica dahurica* var. *formosana*, Apiaceae, 杭白芷, right)



Just click here to enjoy the video: https://uofmacau-my.sharepoint.com/:v/g/personal/jesskuok_umac_mo/EbNJJQq1FFNv1XRQ-RSifAB83HXwbK6-Y5pUZq8lXSMBq?e=vTeSjM