

出國報告（出國類別：開會）

2018 年第 17 屆全球中草藥聯盟(CGCM) 會議與會報告

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摘要

本次在馬來西亞古晉所舉辦的第 17 屆全球中草藥聯盟(CGCM)會議，於 8 月 8 日開始舉行至 10 日結束。當天由馬來西亞「能源科技環境氣候變遷部」之副秘書長、CGCM 主席、沙勞越教育與科技部永久秘書等陸續開幕致詞，之後由各個國家分會報告近況與發展。接著討論馬來西亞植物藥的研究與工業的發展、以及學界、政府、業界之間的交互運作關係。期間則有海報論文之展出。9 日則有不同的議程舉行，包括天然物之活性、抗癌、抗病毒、抗發炎等；多化合物活性與機轉之於癌症、免疫、代謝、神經疾病、老化等；植物基源；臨床探討。10 日之議程則有針灸；生物資訊之質體學與資料分析；預防醫學與傳統中醫之診斷。

目次	頁
本文	3
參訪行程	11
心得及建議事項	13
附件	
大會論文摘要首頁	14
大會論文摘要目錄	15
郭曜豪研究員論文摘要	26
鄭靜之副研究員論文摘要	27
黃乃瑰研究員論文摘要	28

本文

目的

本次主要在參加第 17 屆全球中草藥聯盟(Consortium for Globalization of Chinese Medicine; CGCM)會議。於 2018 年 8 月 8 日在馬來西亞古晉之 Borneo Convention Centre 舉辦，並於 8 月 10 日結束。



2018 年 8 月 8 日於馬來西亞古晉之 Borneo Convention Centre 辦理註冊



本所鄭靜枝副研究員於會場前留影



本所郭曜豪研究員與 Azman Seeni 於會場留影

過程

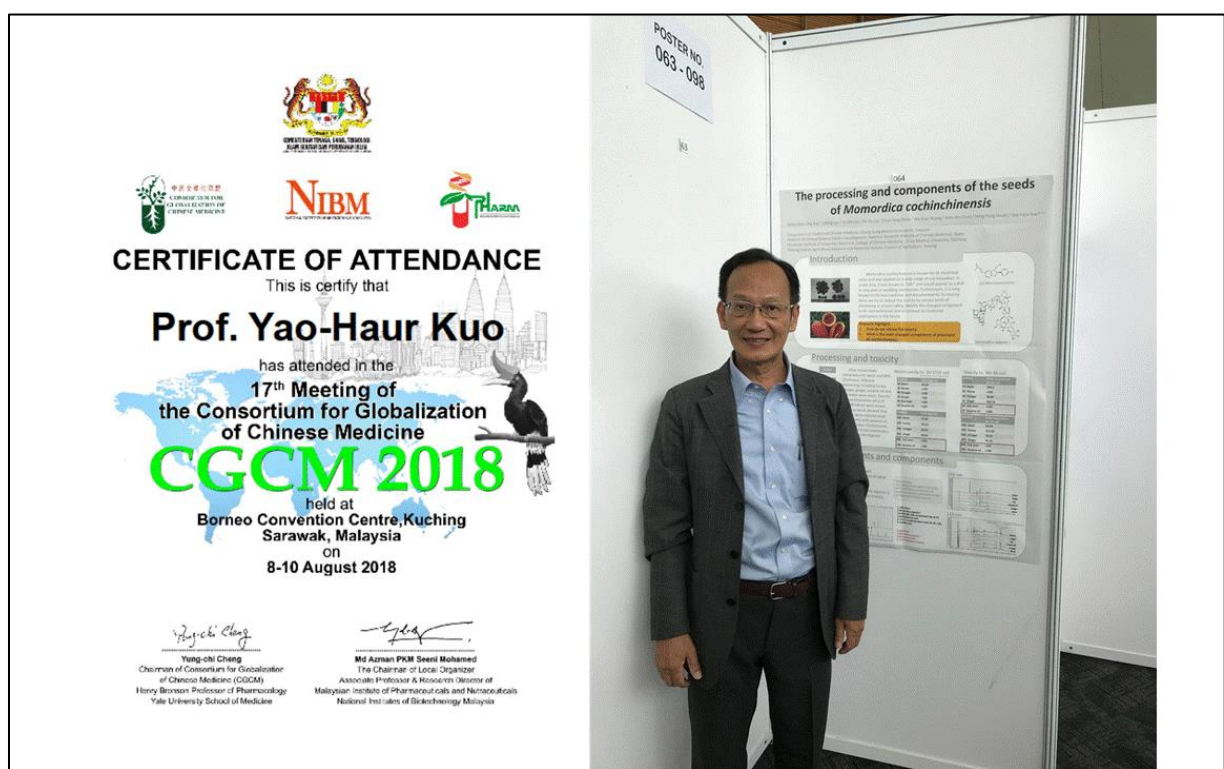
8月8日開幕當天先後由馬來西亞「能源科技環境氣候變遷部」之副秘書長 Dr. Ramzah Dambul，同濟大學裴鋼院士，香港大學高為元教授致詞歡迎與會來賓並預祝會議順利。接著由 CGCM 主席鄭永齊院士暢談中西醫發展之瓶頸，也說明中醫逐步為全世界所接受，並期待兩者間之整合俾使人類之醫療能更上層樓。接著由沙勞越教育與科技部永久秘書 Datu Haji Sudarsono Osman 介紹馬來西亞之生態資源並希望皆由此次之會議交流能增加對中醫藥研究的認識並提昇馬來西亞對傳統草藥的研究能量。然後香港浸會大學趙中振教授則以紀念李時珍 500 週年為題，闡訴李時珍及其編撰之本草綱目對後世乃至現代之影響，期間並撥放製作之影片以為紀念。之後由各個國家分會報告中草藥發展之近況與交流，包括：北京中日友好醫院之 Ping Li、加拿大 Western Ontario 大學之 Edmund Lui、重慶西南大學 Hong-Yi Qi、歐洲 Graze 大學之 Rudolf Bauer、廣東 Provincial Hospital of Chinese Medicine 之 Yu-Bu Lu、香港大學之 Vivian Taam Wong、上海 Shanghai University of Traditional Chinese Medicine 之 Zheng-Tao Wang、臺灣台北醫學大學之 Shu-Shan Huang、澳洲 The university of Sydney 之 Josiah Poon 與英國倫敦 King's College 之 Qihe Xu。



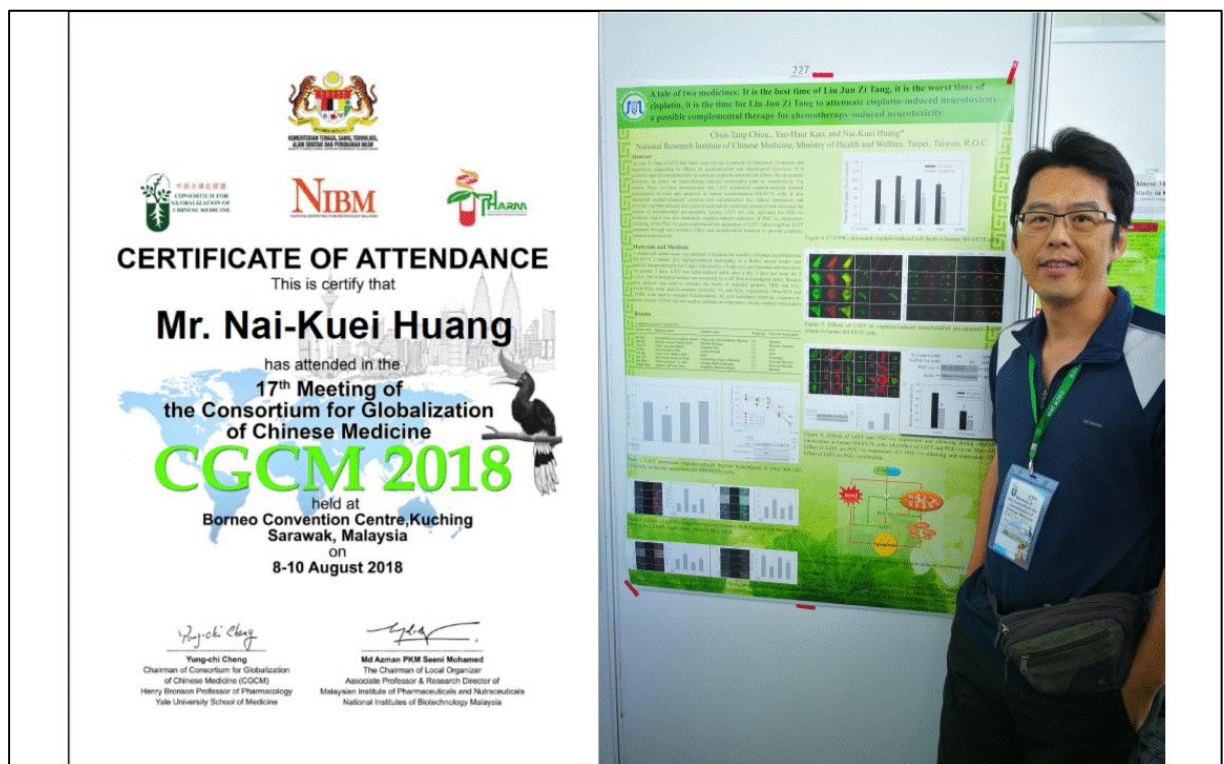
Borneo Convention Centre 內之研討會

下午由馬來西亞國家科技學院 Malaysian Institute of Pharmaceuticals and Nutraceuticals 之 Azman Seeni 為主席，另有 Universiti Sains Malaysia 之 Zhari Ismail 與 Sarawak Biodiversity Centre 之 Tiong Chia Yeo 為小組成員共同討論馬來西亞植物藥的研究與工業的發展，並以東革阿里 (Tongkat Ali) 為例來說明。東革阿里是生長於馬來西亞和印度尼西亞等地的雌雄異株長綠樹，有「馬來西亞人蔘」的美名。它傳統用於糖尿病、高血壓、痛風、前列腺腫脹

及性功能障礙方面。東革阿里根部包含許多植物化學藥物，它能增進睪酮的產量，睪酮是男性性功能所需的荷爾蒙，也是生殖器官和腦部發育所需的激素。目前東革阿里已有相當多的保健食品上市，所以算是一種成功且極具商業價值相的經濟作物。期間則有海報論文之展出。



郭曜豪(Yao-Haur Kuo)出席證明並與個人發表之海報合影



黃乃瑰(Nai-Kuei Huang)出席證明並與個人發表之海報合影



鄭靜枝(Jing-Jy Cheng)出席證明並與個人發表之海報合影

接著由 Shanghai University of Chinese Medicine/Chinese Academy Sciences 的陳凱先院士、衛福部黃怡超司長與 PhytoCeutica, Inc. 的 Peikwen Cheng 共同主持當日最後一場會議，其間一同討論之小組成員有 University of Toyama 的 Naotoshi Shibahara、Purapharm Japan Corporation 的 Hisayoshi Norimoto、PuraPharm Corporation Limited 的 Abraham Chan、Malaysian Institute of Pharmaceuticals and Nutraceuticals 之 Azman Seeni、順天堂藥廠股份有限公司的 Wu-Chang Chuang、China Medical University 的 Lu-Hai Wang、University of Cagliari 的 Enzo Tramontano 與 University of Macau 的 Ying Bian 就學界、政府、業界之間的調控與交互運作關係為題進行討論。

晚間 17:30 則有大會舉辦的晚宴，並有馬來西亞傳統的民族舞蹈表演。



馬來西亞傳統的民族舞蹈表演

8 月 9 日則有不同的議程舉行，基本上分為三大主軸進行，主要包括天然物 I (Natural Products I)、多化合物活性與機轉研討 (Polychemical Activities and Mechanism Study I) 以及植物資源 (Herbal Resources)。

在天然物 I 的討論會上，主席為上海中醫藥大學的徐宏喜，副主席為中研院之楊文欽與徐麗芬。講者包含 Shenyang Pharmaceutical University 的 Yuqing Zhao、Kunming University of Science and Technology 的 Yin Xiong、Universiti Malaysia Terengganu 的 Kamariah Bakar、Malaysian Institute of Pharmaceuticals & Nutraceuticals 的 Wai Kwan Lau、The Chinese University of Hong Kong 的 Pang-Chui Shaw 與 RMIT University 的 Edwin Pang。在天然物 II 的討論會上，主席為 University of Graz 的 Rudolf Bauer，副主席為 Jiangsu Provincial Academy of Traditional Chinese Medicine 的 Ding Qu、Kaohsiung Medical University/國家中醫藥研究所的 Fang-Rong Chang、Institute of Chinese Medicine 的 Clara Bik-San Lau、Shanghai University of Traditional Chinese Medicine 的 Zhengtao Wang。講者有 Shanghai University of Traditional Chinese Medicine 的 Hongxi Xu、King Saud University 的 Sarita Saraswati。會議主要在天然物之成分或是其新純化物所具有之抗發炎、抗病毒、抗癌等功能。以天然物 II 為例，Jiangsu Provincial Academy of Traditional Chinese Medicine 的 Ding Qu 報導有關 tanshinone IIA sulfonate 加以微脂粒包埋的方式，可以達到緩釋與降低毒性的效果，並對抗癌具有更好的療效。Kaohsiung Medical University/國家中醫藥研究所的 Fang-Rong Chang 則發表由 *Cordyceps*

militaris. 所發現的 3 種 cerebrosides 與 6 種 fatty acids。這些 cerebrosides 具有抗氧化與抗發炎之效果。Institute of Chinese Medicine 的 Clara Bik-San Lau 則發表從 *Isodon eriocalyx* var. *laxiflora* 所萃取而得的 Eriocalyxin B (EriB) 具有抗癌予抗發炎的作用。另外該藥物並可誘發細胞凋亡與自噬作用。Shanghai University of Traditional Chinese Medicine 的 Hongxi Xu 則探討從 *Andrographis paniculata* (Burm. f.) Nees. 所萃得之 Andrographolide 具有抗發炎的作



中醫所所長張芳榮博士 (左一) 於天然物 II 會議中發表演說



天然物 II 會議主席與副主席及講者合影

用，而且該機轉與降低 TLR4-triggered MyD88-dependent signaling pathways 有關。陽明傳醫所的 Shu-Ling Fu 則發表 Andrographolide 與 per-acetylated derivative NCTU-322 之抗癌效果與抑致 Bcr-Abl 的表現有關。由於有部分預定人員未到，所以以綜合討論的方式討論：為何藥物開發從天然物而來的成功並不太。

在多樣化學活性與機轉探討 (Polychemical Activities and Mechanism Study) I 中，主席為中研院的楊寧蓀與陽明大學之林滿玉，副主席為西南大學的 Hongyi Qi 與 Institute of Basic Research In Clinical Medicine, China Academy of Chinese Medical Sciences 的 XiaoJuan He 與 Yale University 的 Wing Lam。講者包括中國醫藥大學之黃升騰與郭明村以及復旦大學上海癌症中心之 Zhen Chen。第二場次 (II) 之主席為西南大學之 Xiao-Yu Xu，副主席為香港大學之 Jiangang Shen。講者為香港科技大學的 Yifan Han、Institute of Marine Biotechnology 的 Tengku Sifzizui Tengku Muhammad、澳門大學的 Defang Ouyang、Malaysian Institute of Pharmaceuticals and Nutraceuticals-National Institute of Biotechnology Malaysia 的 Zulkhurnain Utar。席間與會之講者主要在發表有關植物之萃取物、純化物、或衍生物用於治療如癌症、免疫、代謝、神經疾病、老化等之應用與機轉探討。

在植物資源方面的討論會議，主席為 Sun Yat-Sen University GuangDong 的 Wei-Wei Su，副主席為 Shenyang Pharmaceutical University 的 Yi-Xuan Zhang。講者有中醫所之 Yao Haur Kuo、Chinese Academy of Chinese Medicine 的 Chang Liu、中國醫藥大學的 Yun-Lian Lin、Shanghai University of Traditional Chinese Medicine 的 Li Yang 與 Nianping Feng、I Shou University 的 Keng-Shiang Huang。而臨床研究方面的討論會議，主席為 PhytoCeutica Inc. 的 Shwu-Huey Liu，副主席為 Longhua Hospital, Shanghai University 的 Yong-Jun Wang 與中醫所的譚家惠。講員有 Longhua Hospital, Shanghai University 的 Yong Qing Cao、香港大學之 Kwai Ching Lo、長庚大學的 Hsing-Yu Chen 與 Shu-Ling Chang。席間與會之講者讓人印象較深刻的是植物幹細胞的發展，對於植物的保存與復育具有重要的意義。目前則有在醫美方面的應用，顯然亦具有龐大的商機。

10 日之議程則有針灸、生物資訊之質體學與資料分析、預防醫學與傳統中醫之診斷。在生物資訊方面之主席香港科技大學之 Nevin Lianwen Zhang，副主席為澳門大學之 Defang Ouyang、Chinese Academy of Medical Sciences 的 Jingyuan Song。講者有香港大學的 Mingxiao Yang、昆明醫科大學之 Zhengan She、倫敦國王學院之 Qihe Xu、雪梨大學之 ZeYuan Wang。

而預防醫學與傳統中醫之診斷的研討會的主席為中醫大的 Hen-Hong Chang，副主席香港中文大學的 Wendy Wong、耶魯大學之 Wing Lam、臺灣大學之沈立言。講者有 Korea Institute of Oriental Medicine 之 Kwang-ho Bae、中醫大之 Jung Chao、臺北醫學大學之 Yu Cheng Kuo、中研院之 Ning-Sun Yang。

其中針灸議程的主持人為香港大學的 Lixing Lao，副主席為成都中醫藥大學的 Fanrong Liang 與中醫大的林昭庚。講者有香港大學之 Zhang-Jing Zhang、Academy of Chinese Medical

Sciences 的 Peijing-Jin Zhang 與 Jiliang Fang、中醫大的 Yi-Hung Chen。會中發表有關針灸用於失眠的臨床研究、針灸刺激 cingulate cortex 導致 GABA 與 glutamate 的變動、針灸與氣及經絡的關係。另外也有報導用電灸的方適用於止痛、抗憂鬱，或是用熱敷與按摩可以增強電灸的止痛功能。



針灸討論會場與主持人等

參訪行程

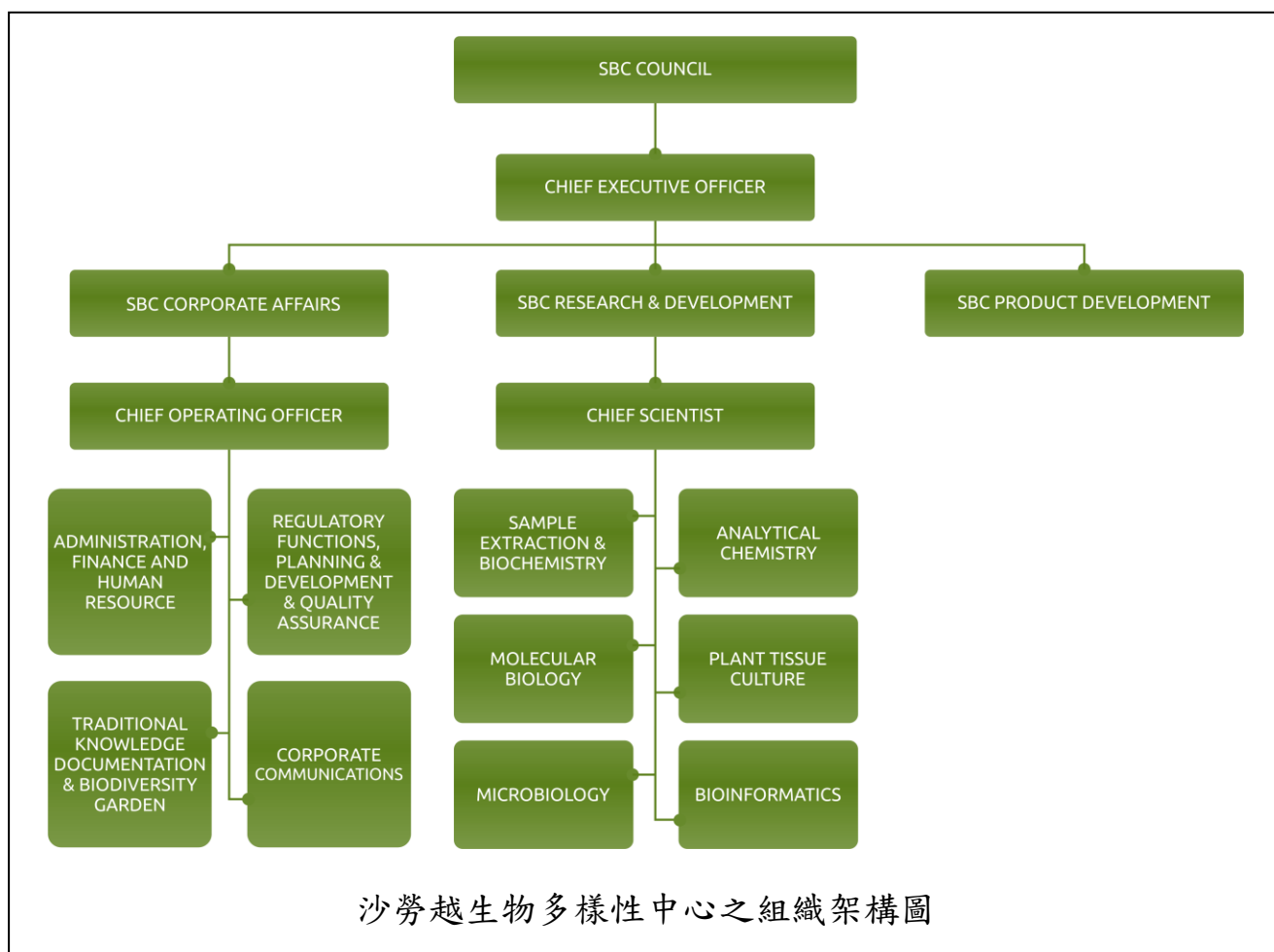
本所郭曜豪研究員參加大會所安排的參訪行程。參觀的地方為沙勞越生物多樣性中心，該中心有點類似國內之特生中心。另外該中心的隔壁為紅毛猩猩的保育區，每年有相當多的遊客造訪。



沙勞越生物多樣性中心（Sarawak Biodiversity Centre）於 1997 年由沙勞越州政府頒布成立，隔年並頒布沙勞越生物多樣性法規。初期之目的主要著重在物種之保存、應用、保護以及永續之發展。不久，其豐富的生物資源之於生物科技的運用逐漸的受到重視，於是於 2004 年增訂其法定權責擴及研究與生物多樣性之發展。所以目前該機構被賦予加強以生物科技為基礎運用於州內生物資源之研究與發展—特別是那些曾被原住民所使用的植物以及編撰一些快要消失且曾被原住民所使用之傳統生物知識。2014 則繼續增訂相關生物取用以及利益分

享之法規。所以該中心的願景是：Enriching Lives with Breakthrough Innovations in Biodiversity。而任務則是：To Decode Biodiversity for the Benefit of Mankind。這一系列的發展讓人覺得該中心有朝著與自然界互利共生，永續發展之努力與可能。

以下所附為沙勞越生物多樣性中心之組織架構圖。顯示該中心最高設有一委員會賦與執行長權責，之下設有行政、研究與發展、產品開發等三大部門。其中與我們比較有關的是研究與發展部門。他們由一個主要研究人員負責，下轄化學分析、植物培養、生物資訊、樣品萃取與生物化學、分子生物學、微生物學等小組。儼然是一小型的研究機構。



心得及建議事項

在此短暫的研討會中相當驚艷於多個地方或國家很踴躍的將各自研究的成果、發現或發明呈現在會議中。除增加並拓寬自己的視野外亦可瞭解世界的研究趨勢與認識不同的人，所以是相當有意義的會議。另一方面，從會議與一些發表的成果中也可一窺生物製藥的發展重點。馬來西亞也許在我們的印象中生物科技並非先進的，但此次由該國之科技部門與相關部會主辦此次會議，顯見該國意欲發展生物科技之態度頗為積極。以該國之地大物博，人才濟濟，以及政府的支持，假以時日當有可為。反觀台灣，我們地狹人稠，天然資源遠不及馬來西亞，唯有發展高端含智財的生技製藥與先進的科技產品等，才是上策。近年來，大陸的崛起在各個層面如鋪天蓋般的近逼，無不擠壓台灣生存的空間，然而這在十幾年前是無法想像的。而今威脅立現，是我們蹉跎了什麼？又或是做錯了什麼？以致十年河東十年河西，整個局勢異位而處。若不痛定思痛，急起直追，我們肯定仍將再失落十年，而以後應該也不再會有機會可以扳回了！因為隨著科技的進步，未來的發展不是線性的，而是呈幾何級數的變動。剛開始差一點，最後卻差好幾倍。現在的感覺也許像是初期的水煮青蛙，不甚強烈，然而我們應該要為下一代的未來與永續著想，否則他們將面臨更惡烈的局勢，即出生後可能馬上面臨水生火熱的環境，這是我們現在責無旁貸的承擔與極力要避免的趨勢。另外，以最近台積電、三星、英特爾在 7 奈米晶圓製程商品化的競賽，最後總算是台積電大獲全勝！然而這是每年幾好幾百億的研發經費與龐大的人力長期投入所創造的結果。同樣的，大陸在科研上的研發經費絕不會少只會更多，而臺灣如果不重視或是減少相關研發之經費，則不啻自動繳械。那我們下一代的未來真的是如煮熟的青蛙！要加油了！！



**17th MEETING OF
THE CONSORTIUM FOR GLOBALIZATION OF
CHINESE MEDICINE**

CGCM 2018

Abstract



ORGANIZERS : Malaysian Institute of Pharmaceuticals and Nutraceuticals
National Institutes of Biotechnology Malaysia
Consortium for Globalization of Chinese Medicine

CO-ORGANIZERS : Sarawak Biodiversity Centre
Universiti Malaysia Terengganu

SUPPORTED BY : Sarawak Convention Bureau
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8-10 August 2018
**Borneo Convention Centre, Kuching
Sarawak, Malaysia**



Abstracts Index

No	Title	Institute	Region	Corresponding Author
Acupuncture				
001	The Anti-depressive Effect of Electroacupuncture on CUMS Depression Model and the Involvement of ERK Signal Pathway in the Effectiveness	Institute of Acupuncture and Moxibustion, China Academy of Chinese Medical Sciences	Beijing	Peijing Rong
002	Acupuncture prevents chemotherapy-induced cognitive impairment ("chemobrain"): preliminary evidence from breast cancer patients and mouse models	The University of Hong Kong	Hong Kong	Zhang-Jin Zhang
003	Research on the therapy and mechanism of electroacupuncture on auricular region on depression combined with chronic somatic pain	Institute of Acupuncture and Moxibustion, China Academy of Chinese Medical Sciences	Beijing	Peijing Rong
004	Massage Therapy for the Treatment of Attention Deficit Hyperactivity Disorder (ADHD) in Children and Adolescents: A Systematic Review and Meta-analysis	The Hong Kong Polytechnic University	Hong Kong	Wing Fai Yeung
005	The Analgesic Effect of Electroacupuncture in a Cold-Stress induced Fibromyalgia Murine Model	China Medical University	Taichung	Yi-Wen Lin
006	Analgesic Effect and Molecular Alterations in Spinal Cord and Dorsal Root Ganglia of Low Level Laser Acupuncture in a Plantar Incision Pain Model	China Medical University	Taichung	Yeon-Ray Wen
007	Trigger points and sensitized acupoints: same book, different covers?	Chengdu University of Traditional Chinese Medicine	Chengdu	Fanrong Liang
008	Animal Models for Inflammatory Osteoarthritic Pain Research: Model Choice for Acupuncture and Translational Zheng-syndrome Studies	The University of Hong Kong	Hong Kong	Lixing Lao
009	Time-specific neuromodulation with electroacupuncture on thermal and mechanical hypersensitivity in the persist inflammatory pain rat model	The University of Hong Kong	Hong Kong	Lixing Lao
010	Dopaminergic synaptic plasticity in prefrontal cortex participates in the antidepressant effect of electroacupuncture: a ITRAQ-based proteomics analysis in the CUMS rat model	The University of Hong Kong	Hong Kong	Lixing Lao
011	The efficacy of acupuncture for diabetic gastroparesis: a systematic review and meta-analysis	The University of Hong Kong	Hong Kong	Haiyong Chen
012	The correlation between GABA/Glx and BOLD in the medial prefrontal cortex during acupuncture at Li4 - A combined 1H MRS and fMRI study	Guang An Men Hospital, China Academy of Chinese Medical Sciences	Beijing	Jiliang Fang
013	Application of Meridians on Laser Acupuncture	Taipei Medical University	Taipei	Yucheng Kuo
014	Symptom relief through acupuncture over the smartphone	National Cheng Kung University	Tainan City	Kun-Chan Lan
015	Electroacupuncture in Ankylosing Spondylitis pain control: Results of a single-arm pilot study	The University of Hong Kong	Hong Kong	Lixing Lao
016	Acupuncture in Postoperative Pain management-Results of A systematic review and meta-analysis	The University of Hong Kong	Hong Kong	Lixing LAO
017	The Exploring of Muscle Relaxation before Acupuncture	China Medical University	Taichung	Yi-Hung Chen
018	Experimental study on the mechanism of Danning tablet on protecting hepatic sinusoidal obstruction syndrome	Shanghai University of Traditional Chinese Medicine	Shanghai	Lu longhui
019	The use of acupuncture in emergency medicine	China Medical University	Taichung	Jaung-Geng Lin
020	Evaluation Of The Clinical Effect In Cerebral Palsy Children With Mixed TCM Treatment	CHUNG GUNG MEMORY HOSPITAL	Taoyuan	Ko_Hung Lee
021	Biophysical and molecular evidence of mechanistic acupuncture physiology	The University of Hong Kong	Hong Kong	ES Yang
022	Clinical observation of Qi and meridians in acupuncture	The University of Hong Kong	Hong Kong	ES Yang
023	Transcutaneous Auricular Vagus Nerve Stimulation (ta-VNS) modulates rest pain of lower limb arteriosclerosis: A case report	Institute of Acu-Mox, China Academy of Chinese Medical Sciences	Beijing	Peijing Rong

No	Title	Institute	Region	Corresponding Author
Bioinformatics: "Omics" Approach and Data Analysis				
024	Metabolomics Representation of Acupuncture Effect in Lowering Blood Pressure	The University of Hong Kong	Hong Kong	Mingxiao Yang
025	Red and Blue Light Significantly Promote the Accumulation of Artemisinin in <i>Artemisia annua</i> L.	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Shilin Chen
026	Elucidating the therapeutic effect of natural compound isoliquiritigenin on breast cancer in microRNA regulation network	The University of Hong Kong	Hong Kong	JP CHEN
027	Comparisons of Three Data-Drive Approaches for Determining TCM Syndrome Subclasses in a Patient Population	The Hong Kong University of Science and Technology	Hong Kong	Nevin Lianwen Zhang
028	Prediction of formulations of oral fast disintegrating films by deep learning	University of Macau	Macau	Defang Ouyang
029	Systems Pharmacology: High-throughput Screening for Herbal TCM drug Design	University of Florida	Florida	Sushing Chen
030	A promising drug combination of the bioactive compounds isolated from the traditional Chinese herbal formula Wu-Tou-Decoction efficiently attenuates neuropathic pain through suppressing glial cell activation and neuroinflammation	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Yanqiong Zhang
031	A Novel Strategy for Herbal Medicine Ingredients Optimization Based on Component Knock out Combined with Gray Correlation Analysis and Artificial Neural Network; take Sodium Aescinate Injection as a case	South-Central University for Nationalities	Wuhan	Yongshen Ren
032	The developing role of big data in e-health; the use of big data analytical platforms and smart technology in healthcare and research markets	Kunming Medical University	Kunming	Zhennan She
033	Discovery of anti-diabetes compounds from herbal medicines using high-resolution mass spectrometry and backpropagation artificial neural network-based chemometrics, a study on Jinqi Jiangtang	University of Macau	Macau	Peng Li
034	A comparative study on the characteristics of pharmacological effects and network regulatory mechanisms of two classical herbal formulae acting on rheumatoid arthritis.	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Yanqiong Zhang
035	Genome analysis of the ancient tracheophyte <i>Selaginella tamariscina</i> reveals evolutionary features relevant to the acquisition of desiccation tolerance	Chinese Academy of Medical Sciences	Beijing	Jingyuan Song
036	Identification of Molecular Markers for Steroid-induced Osteonecrosis of the Femoral Head with Different Traditional Chinese Medicine Syndromes by gene expression profiling and biological network analysis	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Yanqiong Zhang
037	The precision treatment of Rheumatoid Arthritis with Tripterysium Glycosides Tablets by a novel Circulating miRNA-Based Model Predicts	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Yanqiong Zhang
038	Deciphering biosynthetic pathway of bioactive polyacetylenes in <i>Bidens pilosa</i> L. using integrative omics and transgenic approaches	Academia Sinica	Taipei	Lie-Fen Shyur
039	Proteomic analysis of TGF- β 1-induced fibrogenesis and antifibrotic mechanisms of <i>Scutellariae Radix</i> , baicalein and an Alk5 inhibitor	King's College London	London	Qihe Xu
040	TCM Translator for Symptoms to Herbs	The University of Sydney	Sydney	ZHEYUAN WANG

No	Title	Institute	Region	Corresponding Author
Clinical Investigation				
041	The use of herbal extracts for post-radiotherapy dry mouth in head and neck cancer patients	National Cancer Institute, Ministry of Health, Malaysia	Malaysia	Wan Najbah Nik Nabil
042	Chinese patent medicine for cervical radiculopathy: current developments and future perspectives	Longhua Hospital, Shanghai University	Shanghai	Yong-jun Wang
043	A Randomized, Double-blinded, Placebo-Controlled Study of Qishe Pill in Cervical radiculopathy Patients with Neck Pain	Longhua Hospital, Shanghai University	Shanghai	Yong-jun Wang
044	A systematic review of systematic reviews and meta-analysis of Chinese herbs on diabetic nephropathy	Hong Kong University	Hong Kong	Haiyong Chen
045	A Clinical Study on Efficacy by Posted Apply Therapy with Xaozhi Ointment to Treat Incarcerated Hemorrhoids	LongHua Hospital Shanghai University of Traditional Chinese Medicine	Shanghai	YONG QING CAO
046	Herbal Juice Therapy in Chinese Medicine	The University of Hong Kong	Hong Kong	LEI LI
047	Treatment of Cholangiocarcinoma with Chinese Medicine: A Report of Five Cases	The Chinese University of Hong Kong	Hong Kong	Wendy Wong
048	Efficacy Observation on Sanfu Tianjiu Therapy for Asthma among Adults and Elderly	The University of Hong Kong	Hong Kong	Kwai Ching Lo
049	Case study of the treatment of a patient with Chronic Myeloproliferative Neoplasm with Traditional Herbal formula	Acupuncture & Herbal Clinic	Beverly	Jean Louis (Lalou) Begue
050	Aristolochic Acids: From Anti-tumor Activity to Carcinogenicity	Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Jingyuan Song
051	Identifying Chinese herbal medicine network and core treatments for treating endometriosis: implications from a population-based database	Chang Gung Memorial Hospital	Taoyuan	Hsing-Yu Chen
052	An update on Chinese herbal medicine for asthma and chronic obstructive pulmonary disease	RMIT University	Melbourne	Johannah Shegis
053	Clinical Rational Prescribing investigation and their impact on patient safety. An observational study.	School of Pharmacy, China Pharmaceutical University	Nanjing	MUHAMMAD ASIM FAROOQ
054	Characteristics and Prescription Patterns of Traditional Chinese Medicine in Infertility	Center for Traditional Chinese Medicine, Chang Gung Memorial Hospital	Taoyuan	Shu-Ling Yang
055	Clinical effectiveness of Buyang Huanwu Decoction (BYHWD) as an adjuvant therapy on Ischemic stroke patient: a nationwide study	National Research Institute of Chinese	Taipei	Chia-Hui Tan
056	Association Between MYH9 and APOL1 Gene Polymorphisms and the Risk of Diabetic Kidney Disease in Patients with Type 2 Diabetes in a Chinese Han Population	Institute of Clinical Medical Sciences, China-Japan Friendship Hospital	Beijing	Ping Li
057	A retrospective cohort analysis of the efficacy of traditional Chinese medicine decoction in treating diabetic kidney disease	Institute of Clinical Medical Sciences, China-Japan Friendship Hospital	Beijing	Ping Li
058	Association of Prescribed Chinese Medicine Use with Risk of CKD Progression in Patients with Stage 3-4 CKD : A Retrospective Cohort Study	Institute of Clinical Medical Sciences, China-Japan Friendship Hospital	Beijing	Ping Li
059	A Phase II Randomized Placebo Controlled Study Investigating The Combination Of YIV-906 And Sorafenib (Nexavar®) In HBV (+) Patients With Advanced Hepatocellular Carcinoma	Yale School of Medicine	New Haven	Yung-Chi Cheng /Shwu-Huey Liu

No	Title	Institute	Region	Corresponding Author
Herbal Resources				
060	Study on HPLC fingerprint of Youguiyin and multi-component quantitative analysis	Southwest University	Chongqing	Xiao-yu XU
061	Specific DNA mini-barcoding for identification of <i>Gekko gecko</i> and its products	China Academy of Chinese Medical Sciences	Beijing	Shilin Chen
062	Notoginsenoside R1 loaded sodium glycocholate-mediated liposomes prepared by supercritical fluid technology and the evaluation of the oral bioavailability in rats	Shanghai University of Traditional Chinese Medicine	Shanghai	Nianping Feng
063	Scientific explanation of the formula principles of SanQi and DanShen combined with HuangQi and XuanShen in a traditional Chinese herbal prescription Compound Xueshuantong Capsule (CXC)	Sun Yat-sen University Guangdong Zhongsheng Pharmaceutical Co.,Ltd.	Guangzhou	Wei-wei Su
064	The processing and components of the seeds of <i>Momordica cochinchinensis</i>	National Research Institute of Chinese Medicine	Taipei	Yao-Haur Kuo
065	Chemical comparison of two <i>Polygonum chinense</i> species by UHPLC-QTOF-MSMS	Macau University of Science and Technology	Macau	Zhifeng Zhang
066	Development of topical cream containing long pepper extract loaded solid lipid microparticles.	Naresuan University	Phitsanulok	Waree Tiyaboonthai
067	Screening traditional Chinese medicine/cyclodextrin formulation by modeling technique.	University of Macau	Macau	Defang-Ouyang
068	Sequencing, Characterization, and Comparative Analyses of the Plastome of <i>Caragana rosea</i> var. <i>rosea</i>	Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences, Peking Union Medical College	Beijing	Chang Liu
069	Helping Other Drug(s) to Break Through the Blood-Brain Barrier (BBB): Another Gift from Traditional Chinese Medicine (TCM)	China Academy of Chinese Medical Sciences	Beijing	Peijing Rong
070	Survey on Processing Method and Harvesting Period of Sanchi in Its Habitats	Jinan University National Engineering Research Center for Modernization of TCM	Guangzhou	Hui Cao
071	Identification and spatiotemporal regulation of the patchoulol synthase gene responsible for sesquiterpene biosynthesis in different Pogostemon cablin (Blanco) Benth. Cultivars	Jinan University National Engineering Research Center for Modernization of TCM	Guangzhou	Hui Cao
072	Simultaneous ¹ H NMR Quantitative Determination of triacylglycerols, sterols and chlorophylls from Sabah Snake Grass (<i>Clinacanthus nutans</i>).	Institute for Medical Research	Kuala Lumpur	June Chelyn Lee
073	Titania-Coated Gold Nanorods as an Effective Carrier for Gambogic Acid	Macau University of Science and Technology	Macau	Xiao-Ming Zhu
074	High performance liquid chromatography method development as quality control of <i>Clinacanthus nutans</i>	China Medical University	Taichung	Si Yan Chan
075	Research on the Panax notoginseng root-rot diseases prevention by <i>Bionectria ochroleuca</i>	Shenyang Pharmaceutical University	Shenyang	Yi-Xuan Zhang
076	The fungal microbial change trend relevant to <i>Panax notoginseng</i> root rot diseases	Shenyang Pharmaceutical University	Shenyang	Yi-Xuan Zhang
077	Quality assessment of commercial Cimicifugae Rhizoma based on simultaneous determination of 19 constituents and screening for antioxidants through DPPH free radical scavenging assay	Shenyang Pharmaceutical University	Shenyang	Jincal Lu
078	Saccharides Related-profiling of <i>Rehmanniae Radix</i> during Processing	China Medical University	Taichung	Yun-Lian Lin

No	Title	Institute	Region	Corresponding Author
Herbal Resources				
079	Li Shizhen and the Ben Cao Gang Mu (<i>Compendium of Materia Medica</i>)—Commemoration of the 500 th anniversary of f Li Shizhen	Hong Kong Baptist University	Hong Kong	Zhong-Zhen Zhao
080	Polysaccharides producing bacteria isolated from marine sponge, <i>Theonella</i> sp. and their bioactivities	Institute of Marine Biotechnology, UMT	Malaysia	Noraznawati Ismail
081	Using Microfluidic System to Prepare Vinblastine-Loaded Polycaprolactone Particles	I Shou University	Kaohsiung	Keng-Shiang Huang
082	Study on Quality Improvement of <i>Perilla</i> stem	Shanghai University of Traditional Chinese Medicine	Shanghai	Lihua Gu
083	Quantification of eleven amino acids in nature bear bile powder by Ultraperformance Liquid Chromatography-tandem Mass Spectrometry	Shanghai University of Traditional Chinese Medicine	Shanghai	Li Yang
084	Impact of sulphur fumigation on the chemistry of ginger	Hong Kong Baptist University	Hong Kong	Jun Xu
085	Enhanced bioavailability and cyto-protective activity of nanoparticles of ginseng polysaccharides	Schulich School of Medicine, Western University & Western Phytoceutca Inc	London	Edmund MK Lui
086	Hypoglycemic effect of DPP-IV Inhibitor -peimisine	Shanghai University of Traditional Chinese Medicine	Shanghai	Lihua Gu
087	The Effect of TCM Processing on the Chemical Contents of Polysaccharides in <i>Phellodendri Amurensis</i> Cortex (<i>Guanhuangbo</i>)	Guangdong Pharmaceutical University	Guangzhou	HaiXu Kuang
088	Simultaneous determination by online SPE-Liquid chromatography of protoberberine type quaternary ammonium alkaloids derived from <i>Coptidis Rhizoma</i> and <i>Phellodendri Cortex</i> in compound Chinese medicines	Shanghai University of Traditional Chinese Medicine	Shanghai	Zhang yanhai
089	Identification of <i>Ligularia</i> Herbs Using the Complete Chloroplast Genome as a Super-barcode	Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Hui Yao
090	Complete Chloroplast Genomes of <i>Papaver rhoeas</i> and <i>Papaver orientale</i> : Molecular Structures, Comparative Analysis, and Phylogenetic Analysis	Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College	Beijing	Hui Yao

No	Title	Institute	Region	Corresponding Author
Regulation and Interregional Collaborations in Academia, Government and Industry				
091	New Market Opportunity in China : Forecasting Neonatal Hepatitis B Vaccine Market Sharing in the Future Two Decades	University of Macau	Macau	Ying Bian
092	Chinese Medicine Research Center, China Medical University	Chinese Medicine Research Center	Taichung	Lu-Hai Wang
093	Discovery and Mechanistic Study of Anti-parkinsonian Effect of Schisantherin A	University of Macau	Macau	Simon Ming-Yuen Lee
094	Tanshinone analogues promotes endothelial integrity via regulating VE-cadherin dynamics and RhoA/ROCK-mediated cellular contractility and prevents atorvastatin-induced intracerebral hemorrhage in zebrafish	University of Macau	Macau	Simon Ming-Yuen Lee

No	Title	Institute	Region	Corresponding Author
Natural Products I (Biological Activity)				
095	Novel dammarane-type triterpenes isolated from hydrolyzate of total Gynostemma pentaphyllumsaponins and their induces apoptosis cell death in human breast carcinoma cells	Shenyang Pharmaceutical University	Shenyang	Yuqing Zhao
096	Authentication, chemical composition and microbial regulation of two common <i>Artemisia</i> species in Taiwan	Academia Sinica	Taipei	Wen-Chin Yang
097	Topically Applied Hypericin Exhibits Skin Penetrability on nude mice	Southwest University	Chongqing	Xiao-yu XU
098	Caudatan A, an undescribed human kidney-type glutaminase inhibitor with tetracyclic flavan from <i>Ohwia caudata</i>	School of Traditional Chinese Material Medica	Shenyang City	Dali Meng
099	Platycodin D downregulates programmed death-ligand 1 in non-small cell lung cancer cells	University of Macau	Macau	Jin-Jian Lu
100	MLKL mediates apoptosis via a mutual regulation with PERK/eIF2 α pathway in response to reactive oxygen species generation	University of Macau	Macau	Jin-Jian Lu
101	Unveiling active constituents and potential targets related to the hematinic effect of steamed <i>Panax notoginseng</i> using network pharmacology coupled with multivariate data analyses	Kunming University of Science and Technology	Yunnan	Yin Xiong
102	Inhibitory effect of <i>Artocarpus lakoocha</i> Roxb and oxyresveratrol on alpha-glucosidase and sugar digestion in Caco-2 cells	Naresuan University	Phitsanulok	Nanteetip Limpeanchob
103	Cardioprotective role of azafarin in against myocardial injury in rats via activation of the Nrf2-ARE pathway	Shanghai University of Traditional Chinese Medicine	Shanghai	Guixin Chou
104	New triterpenoids from acorns of <i>Quercus liaotungensis</i> and their inhibitory activity against α -glucosidase, α -amylase and protein-tyrosine phosphatase 1B	Shenyang Pharmaceutical University	Shenyang	Xiaoshu Zhang
105	Development of Fluorescent microplate reader assay for PDE5 enzyme.	Naresuan University	Phitsanulok	Prapapan Temkithawon
106	Chemical constituents and anti-tumor activity of three species of genus <i>Aconitum</i>	Shenyang Pharmaceutical University	Shenyang	Jincai Lu
107	Effect of <i>Asteraceae</i> plant on diarrhea and growth performance in weaning swine	Academia Sinica	Taipei	Wen-Chin Yang
108	Inhibitory activities of natural compound 4-vinylphenol in breast cancer stem-cells	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San Lau
109	A polyphenolic polymer from <i>Uncaria gambier</i> attenuate <i>Staphylococcus aureus</i> virulence by inhibition of MgrA-mediated virulence regulation	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
110	Asymmetric Total Synthesis of Norsampson A-B, Garcinielliptone N-O and Hyperscabrins A via Dieckmann Condensation and Their Biological Investigation	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
111	Flavones and flavonoids from wild <i>Aquilaria sinensis</i> leaves: <i>in vitro</i> bioactivities and <i>in vivo</i> regulation against impairment of the plant	Jinan University	Guangzhou	Heru Chen Chen
112	A new polyprenylated polycyclic acylphloroglucinol from <i>Garcinia multiflora</i> with anti-angiogenic and anti-cancer effects	National Yang-Ming University	Taipei	Jih-Jung Chen
113	A PPAR γ Agonist Isolated from <i>Momordica Charantia</i> is Capable of Promoting Glucose Uptake in Skeletal Muscle Cells	Malaysian Institute of Pharmaceuticals and Nutraceuticals-National Institute of Biotechnology	Malaysia	Nur Adelina Ahmad Noruddin
114	Methyl benzoate attenuates cholesterol level in diet-induced hypercholesterolemia in Sprague-Dawley rat	Universiti Malaysia Terengganu	Malaysia	Noraznawati Ismail
115	Chemistry and Biological Activity of essential Oils from <i>Lawsonia inermis</i>	Universiti Malaysia Terengganu	Malaysia	Kamariah Bakar
116	Potent PPAR γ Ligands from <i>Swietenia Macrophylla</i> Induce Glucose Uptake via AMPK Pathway Activation	Malaysian Institute of Pharmaceuticals & Nutraceuticals	Malaysia	Wai Kwan Lau
117	Berberine protects C17.2 neural stem cells from oxidative damage and induces neuronal differentiation	The Chinese university of Hong Kong	Hong Kong	Pang-Chui Shaw
118	The anti-fatigue effects of an <i>Asteraceae</i> plant	Academia Sinica	Taipei	Lie-Fen Shyur
119	Enhancement of berberine hypoglycaemic activity by oligomeric proanthocyanidins	Shanghai University of Traditional Chinese Medicine	Shanghai	Yiming Li
120	Diarylheptanoids from lesser galangal and their cytotoxicity	University of Macau	Macau	Qing-Wen Zhang
121	Antimicrobial activity of <i>Agastache</i> honey and its bioactive compounds	RMIT University	Melbourne	Edwin Pang
122	Neuroprotection against 6-OHDA toxicity in PC12 cells and mice through the Nrf2 pathway by a sesquiterpenoid from <i>Tussilago farfara</i>	Seoul National University	Seoul	Yeong Shik Kim
123	A novel agent, originating from traditional Chinese medicine, attenuates cardiac dysfunction and improves antitumor activity of doxorubicin in breast cancer cells	Zhuhai Campus of Zunyi Medical University	Zhuhai	Guo Zhen Cui

No	Title	Institute	Region	Corresponding Author
Natural Products II				
124	Sequential-released liposome enhances anti-breast cancer efficacy of sodium tanshinone IIA sulfonate and celastrol-based microemulsion	Jiangsu Provincial Academy of Traditional Chinese Medicine	Nanjing	Ding Qu
125	Deciphers on the Chemical Constituents and Biological Activities of the Fruiting Body of <i>Cordyceps militaris</i> .	Kaohsiung Medical University	Kaohsiung	Fang-Rong Chang
126	Pomegranate peel ellagitannins elicits reactive oxygen species-mediated apoptosis and cell cycle arrest in colorectal cancer cells	The University of Hong Kong	Hong Kong	Yan-Bo Zhang
127	Betulinic acid chemosensitizes breast cancer through triggering ER stress-mediated apoptosis by directly targeting GRP78	Guangdong Provincial Hospital of Chinese Medicine	Guangzhou	Zhiyu- Wang
128	Nagilactone E suppresses TGF- β 1-induced epithelial-mesenchymal transition, migration and invasion in non-small cell lung cancer cells	University of Macau	Macau	Jin-Jian Lu
129	Sinomenine ameliorates breast cancer cell-induced osteoclastogenesis and bone destruction	School of Pharmaceutical Sciences, Southern Medical University	Guangzhou	Xiaojuan Li
130	Experiences from cultivation and breeding of Chinese Medicinal Plants in Bavaria	Institute of Pharmaceutical Sciences, University of Graz (Austria)	Graz	Rudolf Bauer
131	Acute alcohol intoxication affect in mice via the flos of <i>Pueraria lobata</i> (Willd.) Ohwi (Gehua) extract inclusive cyclodextrin	China Medical University	Taichung	Yu-Hsin Tsai
132	The Development of a Physiologically Based Pharmacokinetic (PBPK) Model of Compound D, the Major Bioactive Component of <i>Zingiber cassumunar</i>	Naresuan University	Phitsanulok	Pakawadee Semsappasuk
133	The effect of Qingxiang Pill on mammary gland hyperplasia in rats induced by Estrogen and Progestin	Southwest University	Chongqing	Xiao-yu XU
134	Evaluation of safety of traditional Chinese medicine compound Qingxiang Pills against breast hyperplasia	Southwest University	Chongqing	Xiao-yu XU
135	Preclinical Evaluation of Combining Ablating CYP19A1 Expression with 5-Fluo-Uracil as Novel Therapy in Gastric Cancer	China Medical University	Taichung	Wen-Lung Ma
136	Effects of Five Flavonoids on Acute Liver Failure Induced by LPS/D-GalN and Their Structure and Activity	Southwest University	Chongqing	Baoshun Zhang
137	DS-1 sensitizes human colon cancer cells to cisplatin	Faculty of Pharmaceutical Sciences, Chulalongkorn University	Bangkok	Pithi Chanvorachote
138	Cantharidin inhibits growth of osteosarcoma by blocking miRNA-214 mediated activation of Wnt/ β -Catenin pathway	The University of Hong Kong	Hong Kong	Yanping Yang
139	New potential roles of the natural diterpenoid erocalyxin B in breast cancer	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San Lau
140	Natural sesquiterpene lactone bigelovin exhibited multi-targeted anti-tumor activities in colorectal cancer — a preclinical verification	The Chinese University of Hong Kong	Hong Kong	Clara Bik-San Lau
141	Andrographolide inhibits LPS-induced inflammation by suppressing TLR4-mediated NF- κ B and MAPKs signaling pathways in macrophages	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
142	Cambogin suppresses dextran sulphate sodium-induced colitis by enhancing Treg cell stability and function	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
143	Neobractatin inhibits tumor metastasis through up-regulating RNA-binding-protein MBNL2	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
144	Nujiangexanthone A suppresses cell motility and metastasis of hepatocellular carcinoma by down regulation of Cofilin 1	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
145	The natural compound neobractatin induces cell cycle arrest in cancer cells through the upregulation of CELF6	Shanghai University of Traditional Chinese Medicine	Shanghai	Hongxi Xu
146	Hepatoprotective effect of Jianpi Huoxue formula on nonalcoholic fatty liver disease (NAFLD) induced by methionine-and choline-deficient diet in Wistar rats model	University of Macau	Macau	Simon Ming-Yuen Lee
147	Stereoselectivity of bufadienolides for the inhibition of Na ⁺ ,K ⁺ -ATPase	Jinan University	Guangzhou	Ren-Wang Jiang
148	Corosolic acid inhibits hepatic cancer via downregulation of JAK2/STAT3 signaling and induction of apoptosis	King Saud University	King Abdulaziz Medical City	Sarita Saraswati
149	The Anticancer Function of Magnolol through Regulating Mitophagy	Hong Kong Baptist University	Hong Kong	Hubiao Chen
150	Ginsenoside Rg5 overcomes chemotherapeutic multidrug resistance mediated by ABCB1 transporter: in vitro and in vivo study	Macau University of Science and Technology	Macau	Ying Xie
151	The pharmacokinetics study of Notoginsenoside Fc on the central nervous system	Shanghai University of Traditional Chinese Medicine	Shanghai	Zhengtao Wang
152	Study on the effect and mechanism of HQU4X-8, a novel structure of the biomimetically metabolite of triptolide, targeting on the inhibition of drug resistance in lung cancer	School of Biomedical Science, Huaqiao University	Fujian	Jinghong Zhang
153	Analysis of the changes of chemical constituents in vitro culture system of <i>Tripterygium Wilfordii</i> Hook. C. based on UPLC-Q-TOF-MS fingerprints chromatography	School of Biomedical Science, Huaqiao University	Fujian	Jinghong Zhang
154	Andrographolide and its potent derivative exhibits multiple anticancer effects against imatinib-resistant chronic myeloid leukemia cells by downregulating Bcr-Abl oncoprotein	National Yang-Ming University	Taipei	Shu-ling Fu

No	Title	Institute	Region	Corresponding Author
Polychemical Activities and Mechanism Study I (Cancer, Immunomodulation and Inflammation)				
155	Up-effective and detoxicant polyynes from <i>Opiopanax elatus</i> with irinotecan on human colorectal cancer mediated by gut microbiota	Xiangya Hospital, Central South University	Hunan	Wei-hua Huang
156	Tanshinone IIA induces intrinsic apoptosis in osteosarcoma cells both in vivo and in vitro associated with mitochondrial dysfunction	China Medical University	Taichung	Sheng-Teng Huang
157	Cantharidin inhibited proliferation and induced differentiation in human leukemic cells through regulating the expression of Nur77	Southwest University	Chongqing	Hong-yi Qi
158	Scalable synthesis enabling multilevel bio-evaluations of natural products for discovery of lead compounds	The Hong Kong Polytechnic University	Hong Kong	William Chi-Shing Tai
159	Activation of SCFAs sensing machinery by mushroom polysaccharides and herbal saponins concurrences with improved epithelial environment and reduced tumor burden in the ApcMin/+ mice	Macau university of science and technology	Macau	W.L. Wendy Hsiao
160	Development of national anticancer drug	National and local joint engineering research center for antitumor drug development	Guangxi Province	Zhou James
161	Optimizing Personalized Therapy for Rheumatoid Arthritis Using a Novel Drug Combination of Bioactive Compounds Derived from a Classic Chinese Herbal Formula	Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences	Beijing	Yanqiong Zhang
162	Natural Products as a Source for Novel Approach of Anti-inflammatory Drugs	College of Medical Science and Technology/Taipei Medical University	Taipei	Hsu-Shan Huang
163	Traditional Chinese medicine <i>Ganoderma tsugae</i> suppresses acute leukemia cells proliferation	China Medical University	Taichung	Ming-Ching Kao
164	Immunomodulation effect of <i>Schizonepeta tenuifolia</i> Briq. on IgE-induced allergic model of RBL-2H3 cells	Chang Gung Memorial Hospital	Taoyuan	Sien-Hung Yang
165	Pharmacological research and evaluation of Chinese medicine T-245 against acute myeloid leukemia	Southwest University	Chongqing	Hongyi Qi
166	QYHJ formula reverses chemotherapy resistance in pancreatic cancer cells by modulating autophagy related pathways of cancer-associated fibroblasts	Fudan University Shanghai Cancer Center	Shanghai	Zhen Chen
167	The Heat-clearing and Fire-purging Medicinal Composition for Combating Breast Cancer Disease	Kaohsiung Medical University	Kaohsiung	Yang-Chang Wu
168	Astragalolignans Suppresses Inflammatory Responses and Bone Destruction in Human Fibroblast-like Synoviocytes and in Mice With Collagen-Induced Arthritis	Longhua Hospital, Shanghai University of Traditional Chinese Medicine	Shanghai	Qianqian Liang
169	Polyphyllin I ameliorates synovial inflammation of collagen induced rheumatoid arthritis mouse model by suppressing the activation of M1 macrophages induced by lipopolysaccharide through NF- κ B pathway	Longhua Hospital, Shanghai University of Traditional Chinese Medicine	Shanghai	Qianqian Liang
170	The effect of Pien Tze Huang on relapsing-remitting experimental autoimmune encephalomyelitis mice	Hong Kong Baptist University/ Institute of Basic Research in Clinical Medicine China Academy of Chinese Medical Sciences (Xiaojuan He)	Hong Kong	Aiping Lu/Xiaojuan He
171	Isobavachalcone induces apoptosis and differentiation in human acute myeloid leukemia cells	Southwest University	Chongqing	Hongyi Qi
172	Anti-Leukemia Effect and mechanism of Ethyl acetate extract of <i>Caesalpinia sappan</i> L.	Southwest University	Chongqing	Hongyi Qi
173	Neuroprotective effect of gallic acid on LPS-induced neuroinflammation in rat brain	National Yang-Ming University	Taipei	Anya Maan-Yuh Lin
174	YIV-906 Enhanced The Anti-Tumor Activity of Anti-PD1 Against Liver Cancer and Promoted M1 Macrophage Polarization by Potentiating Interferon Pathway.	Yale University	Connecticut	Yung-Chi Cheng
175	β -Asarone Suppresses Human Glioma by Targeting Splicing factor HnRNP A2/B1-Mediated Signaling Pathway	Southwest University	Chongqing	Hongyi Qi
176	Juan-Bi-Tang Regulate Joint Lymphatic Drainage Function to Treat KOA: An Experiment Study	Shanghai University of Traditional Chinese Medicine	Shanghai	Qian-qian Liang
177	Fangji Huangqi Decoction Regulates Lymphatic Drainage Function for Treatment of Early Osteoarthritis in Vivo Study	Shanghai University of Traditional Chinese Medicine	Shanghai	Qianqian Liang

No	Title	Institute	Region	Corresponding Author
Polychemical Activities and Mechanism Study II				
178	Exosomes derived from rat brain microvascular endothelial cells (RBMVEC) after Scutellarin administration increase expression of Claudin5, Occludin and ZO1 in RBMVEC induced by homocysteine	Guangdong Provincial Hospital of Chinese Medicine	Guangzhou	Minzhen Deng
179	The Comprehensive Regulation of Traditional Chinese Medicine on Proliferation and Differentiation of Neural Stem Cells	Southwest University	Chongqing	Xiao-yu XU
180	The effect of Yougui Yin on adenine-induced kidney deficiency and immunodeficiency in rats	Southwest University	Chongqing	Xiao-yu XU
181	Acute and subchronic oral toxicity assessment of the herbal formula You-Gui-Yin	Southwest University	Chongqing	Xiao-yu XU
182	Investigation of dissolution molecular mechanism of binary and ternary solid dispersions by combined experimental and modeling approaches	University of Macau	Macau	Defang Ouyang
183	Treatment with QiBaoMeiRan, a Kidney-Invigorating Chinese Herbal Formula, Antagonizes Estrogen Decline and Bone Loss without Side Effect on Reproductive Tissues in Ovariectomized Rats	Institute of Chinese Materia Medica	Beijing	Na Lin
184	BHD Attenuated Infarction Volume and Reduced Apoptotic Cell Death in Cerebral Ischemia-reperfusion Injury via Activating PI3K/AKT Signaling Pathway	The People's Hospital of Bao-an; The 8th People's Hospital of Shenzhen	Shenzhen	Xi Chen
185	Glycyrrhizin reduced hemorrhagic transformation and improved neurological outcomes in ischemic stroke model with delayed tissue plasminogen activator (t-PA) treatment, possibly through inhibiting ONOO-/HMGB1/TLR2 signaling cascades	The University of Hong Kong	Shenzhen	Jiangang Shen
186	Ginkgolide A inhibits the Abeta-induced depolarization in primary neurons	National Taiwan Normal University	Taipei	YENSHOU LIN
187	Vasodilatory effect and the underlying mechanisms of Sailuotong, a standardised herbal formation for vascular dementia in rat isolated tail artery	Western Sydney University	Campbelltown	Dennis Chang
188	Neuroprotection Against MPP+-induced Cytotoxicity Through the Activation of GSK3 β /MEF2D Signaling Pathway by Rhynchophylline and Isorhynchophylline, the Major Tetracyclic Oxindole Alkaloids Isolated From Uncaria Rhynchophylla	The Hong Kong Polytechnic University	Hong Kong	Yifan HAN
189	Oleanolic Acid Enhances Mesenchymal Stromal Cell Osteogenic Potential by Inhibition of Notch Signaling	LSU Health Sciences Center-Shreveport	LA	Yufeng Dong
190	Evaluation of synergistic effects of a multi-herb combination used for the treatment of osteoarthritis	Western Sydney University	Penrith	Srinivas Nammi
191	Relationship between kidney-deficiency osteoporosis mice and EPO and improvement effect of You-gui-yin on them	Southwest University	Chongqing	Xiao-yu XU
192	The Renoprotective Effects of Cordyceps militaris on Kidney Disease	I Shou University	Kaohsiung City	Keng-Shiang Huang
193	Tangeretin, a pericarpium citri reticulatae polymethoxy-lated flavonoid, exerts anti-fatigue effects by SIRT1 pathway in mice	Southwest University	Chongqing	Xu XiaoYu
194	Single Dose Acute Oral Toxicity Study of roots water extract of Boesenbergia rotunda in Sprague Dawley Rat	Malaysian Institute of Pharmaceuticals and Nutraceuticals-National Institute of Biotechnology Malaysia	Malaysia	Zulkhurnain Utar
195	Neurological Function Recovery and Lesion Area Restraint Effects of Riluzole for Spinal Cord Injury in Rat: A Meta-Analysis and Systematic Review	Shanghai University of Traditional Chinese Medicine	Shanghai	Yong-jun Wang
196	Modulation of signal transduction by Methyl-2-methyl-benzoate in mediating the inhibition of PCSK9 gene expression	Institute of Marine Biotechnology	Malaysia	Tengku Sifzizul Tengku Muhammad
197	Naringin Attenuates Cerebral Ischemia-Reperfusion Injury Through Inhibiting Peroxynitrite-Mediated Mitophagy Activation.	The University of Hong Kong	Hong Kong	Jiangang Shen
198	Astragalus complanatus flavonoids (ACF) protect H9c2 cells against ischemia/reperfusion (IR) injury induced mitochondrial apoptosis through activated multiple cell survival signaling pathways	Longhua Hospital, Shanghai University of Traditional Chinese Medicine	Shanghai	Wang Youhua
199	Jianpi-Bushen formula promotes osteoporotic fracture repair by augmenting the osteogenic differentiation of muscle satellite cells	Longhua Hospital, Shanghai University of Traditional Chinese Medicine	Shanghai	DeZhi Tang
200	Chaihuang-Yishen granule attenuates renal damage via improving endothelial dysfunction in STZ-induced diabetic rats	China-Japan Friendship Hospital	Beijing	Ping Li
201	Tangshen Formula Regulates Hepatic Lipid Metabolism and Inflammation of NASH via Improving Gut permeability in A Mice Model	China-Japan Friendship Hospital	Beijing	Ping Li
202	Comparative Study on Pharmacodynamics of Renal Interstitial Injury Treated by Tangshen Formula Extracted from Different Processes	China-Japan Friendship Hospital	Beijing	Ping Li
203	Tangshen Formula Attenuates Diabetic Nephropathy by inhibiting renal fibrosis in db/db Mice	China-Japan Friendship Hospital	Beijing	Ping Li
204	Evaluation of the core neuroprotective active component from BHD for the treatment of acute ischemic stroke	National Research Institute of Chinese Medicine	Taipei	Yuh-Chiang Shen
205	Myeloid-derived suppressor cells as a target for evaluating anti-cancer activities of medicinal herbs	National Research Institute of Chinese Medicine	Taipei	Wen-Chi Wei
206	The Antiobesity and Hypolipidemic Activity of the Semipurified Flavonoids from <i>Citrus aurantifolia</i> (Dayap) fruit peel	Centro Escolar University	Bulacan	Regina Jazul

No	Title	Institute	Region	Corresponding Author
Polychemical Activities and Mechanism Study III				
207	Identification of anti-viral activity of natural products against porcine transmissible gastroenteritis virus	Institute of Biotechnology and Pharmaceutical Research	Miaoli	Shiow-Ju Lee
208	Ground glass hepatocytes provide targets for therapy or prevention of hepatitis B virus-related hepatocellular carcinoma	Southern Taiwan University of Science and Technology	Tainan City	Ih-Jen Su
209	Study for biological activity of non-medical aerial part of <i>Bletilla formosana</i>	National Research Institute of Chinese Medicine	Taipei	Jing-Jy Cheng
210	Effects of DWYG Extract on Liver Cancer Based on Inflammatory Pathway	Longhua hospital affiliated to Shanghai university of TCM	Shanghai	xin Zhou
211	Wu-tou decoction inhibits angiogenesis of experimental arthritis by suppressing VEGF/VEGFR2 signaling pathway in vivo and in vitro.	Institute of Chinese Materia Medica	Beijing	Na Lin
212	Effects of the extraction process on some biological activities of green tea extracts	Naresuan University	Phitsanulok	Nattaporn Amornopparattanakul
213	Systematic screening of Traditional Chinese Medicine (TCM) ingredients with caffeine-mimic activities on neuronal signaling	USANA Health Sciences, Inc.	Salt Lake City	Junqiang Tian
214	Evaluation of aqueous extract from <i>Tetracera scandens</i> leaves in alleviating the signs of ageing	Analytical Biochemistry Research Centre (ABRC), Universiti Sains Malaysia	Malaysia	Zafarina Zainuddin
215	The synergism of cinnamon bark oil with ampicillin against Extended-spectrum beta-lactamase producing Enterobacteriaceae	Naresuan University	Phitsanulok	Navapuschaluk Pongsanitkul
216	The ethanol extracts of <i>Antrodia cinnamomea</i> blocked the proliferation of human breast cancer cells by through skp2 pathway and inducing apoptosis	Chiayi Chang Gung Memorial Hospital and Chang Gung University College of Medicine	Chiayi County	Ching-Yuan Wu
217	Endangered species in Chinese medicine: the example of bear bile	The University of Hong Kong	Hong Kong	Yibin Feng
218	A simple and convenient method for the preparation of peptides from walnut (<i>Juglans regia</i> L.) protein hydrolysates, and its bioactivity and toxicity	R&D, Sinphar Tian-Li Pharmaceutical Co., Ltd	Hangzhou	Chaohj Wang
219	Exploration of the Neuraminidase Inhibition Activity of <i>Fallopia denticulata</i> , an endemic herb in China	Institute of Medicinal Plant Development, Peking Union Medical College & Chinese Academy of Medical Sciences	Beijing	Linfang Huang
220	Anti-Influenza Virus Activity of <i>Salvia miltiorrhiza</i> Bunge and Constituents Characterization	Institute of Medicinal Plant Development (IMPLAD), Chinese Academy of Medical Sciences (CAMS), Peking Union Medical College (PUMC)	Beijing	LINFANG HUANG
221	Improvement of the water fraction isolated from <i>Fructus Ligustri Lucidi</i> extract on bone metabolism via antagonizing calcium-sensing receptor in experimentally type 1 diabetic rats	Shanghai University of Traditional Chinese Medicine	Shanghai	Yan Zhang
222	Infarct Volume Diffusion Restraint and Neuroprotective Effects of Dizocilpine for Acute Brain Injury in Rat: A Meta-Analysis and Systematic Review	Shanghai University of Traditional Chinese Medicine	Shanghai	Ting Zhang
223	Effects of polysaccharide peptide (PSP) extract from <i>Coriolus versicolor</i> (Yunzhi) on the pharmacokinetics, pharmacodynamics and metabolism of tamoxifen in the rat	Liverpool JM University/ Western Sydney University	Liverpool / NSW	Kelvin Chan
224	Compatibility regularity of Qing'E formula based on Pharmacodynamic interaction	Shanghai University of Traditional Chinese Medicine	Shanghai	Zijia Zhang
225	Exploring Herbal Extracts as a source to counteract the innate immune inhibition by the VP35 Ebola virus protein, a key viral target	University of Cagliari	Monerrato	Enzo Tramontano
226	Modernization of Traditional Chinese Medicine in Hong Kong	City University of New York	Bronx	Edward Kennelly

No	Title	Institute	Region	Corresponding Author
Preventive Medicine and TCM Diagnosis				
227	A tale of two medicines: It is the best time of Liu Jun Zi Tang, it is the worst time of cisplatin, it is the time for Liu Jun Zi Tang to attenuate cisplatin-induced neurotoxicity-a possible complementary therapy for chemotherapy-induced neurotoxicity	National Research Institute of Chinese Medicine	Taipei	Nai-Kuei Huang
228	Mapping between Chinese and Western Medicine diagnoses in the Hong Kong Populations	The Chinese University of Hong Kong	Hong Kong	Wendy Wong
229	Philosophy of care of Chinese Medicine Practitioner: A qualitative study in colorectal cancer	The Chinese University of Hong Kong	Hong Kong	Wendy Wong
230	The Association between Cold Extremities and Dyspepsia in the Korean Population	Korea Institute of Oriental Medicine	Daejeon	Kwang-ho Bae
231	Ethnopharmacological Survey of Herbal Tea in Taiwan	China medical university	Taichung City	Jung Chao
232	Cistanche tubulosa glycoside improved memory function and neurological biomarkers in healthy adult volunteers	R&D, Sinphar Tian-Li Pharmaceutical Co., Ltd	Hangzhou	R&D, Sinphar Tian-Li Pharmaceutical Co., Ltd
233	Perceived Helpfulness and Positive Effects on the Use of Traditional Medicine, Complementary and Alternative Medicine in Inflammatory Bowel Disease in Hong Kong: the First Patients' Self Report in Chinese Ethnic	The Chinese University of Hong Kong	Hong Kong	Jessica Y L CHING
234	Learning Interests: a Content Analysis of Assignments of TCM-SPC Trainees - an Example from Internal Medicine	National Taipei University of Nursing and Health Sciences	Taipei City	Hui-Chu Chiang
235	Investigation and analysis of the concerns of TCM-SPC trainees receiving clinical guidance teaching in their post-graduate year, based on the example of gynecology	Chang Gung University of Science and Technology	Taoyuan	Shu-Mei Wu
236	Use of a traditional Chinese herb and its novel glucopyranoside for treatment of breast cancer.	Yale University	Connecticut	Lam Wing
237	Scientific Future on Pulse diagnosis and Meridians of Chinese Medicine	Taipei Medical University	Taipei	Yucheng Kuo
238	Application of Meridians on New drugs Development	Taipei Medical University	Taipei	Yucheng Kuo
239	Meanings of a pair of medical terms: 勞(Lao) and 逸(Yi) in TCM	China Medical University Hospital	Taichung	Hen-Hong Chang
240	Observing the Adverse Effects of Panax ginseng from Adverse Drug Reaction Reporting System for Chinese Herbal Medicine	China Medical University	Taichung	Hen-Hong Chang
241	Safety evaluation of the water extract of Gastrodia elata Blume	National Taiwan University	Taipei	Lee-Yan Sheen
242	Modern Study on Traditional Chinese Medicine Syndromes of Diabetic Nephropathy	Institute of Clinical Medical Sciences, China-Japan Friendship Hospital	Beijing	Ping Li
243	Definitions for Stasis: Consensus of TCM Doctors in Taiwan	China Medical University Hospital	Taichung	Hen-Hong Chang

064

The processing and components of the seeds of *Momordica cochinchinensis*Jenny Chun-Ling Kuo,¹ I-Ming Lee,² Yu-Chi Lin,² Zhi-Hu Lin,² Yao-Haur Kuo^{*2,3}¹Department of Traditional Chinese Medicine, Chang Gung Memorial Hospital, Taoyuan; ²Division of Materia Medica Development, National Research Institute of Chinese Medicine, Taipei; ³Graduate Institute of Integrated Medicine, College of Chinese Medicine, China Medical University, Taichung**Content:**

The seeds of *Momordica cochinchinensis* extracts (SMCE) are mostly susceptible to human neuroblastoma cells. Using processing containing heat and combination with various materials for the SMCE, the neurotoxicity in both human neuroblastoma (SH-SY5Y) and human lung fibroblast (WI-38) cells would be effectively reduced. Altering the properties by processing, it seems to change the components of SMCE, which could result in the enhancement of biological activities including the specificity against HCV replicon replication and anti- α -glucosidase etc, in addition to alleviating the toxicity. Further studying the relationships between toxicity and total amounts of saponins, proteins and fatty acids, the results revealed that the water extract had higher toxicity than organic solvent extracts of *M. cochinchinensis*. By column chromatography and semi-preparative HPLC, one new saponin, MC saponin A, together with the known (+)-morrisonicolanin, ligballinol, 2,4,6-triphenyl-1-hexene, and four fatty acid derivatives as (12*RS*)-(8*E*,10*E*)-12-hydroxy-7-oxo-8,10-octadecadienoic acid, (2*R*)-2,3-dihydroxypropyl (9*Z*,12*Z*)-9,12-octadecadienoic acid, (9*E*,11*E*,13*E*)-9,11,13-octadecatrienoic acid and linoleic acid, as well as the major saponin as momordica saponin I were isolated and characterized from SMCE. These isolates have been confirmed their identities of major peaks in the HPLC fingerprint of SMCE, which are useful for the comparison with the HPLC profiles of different collected resources of *M. cochinchinensis*.

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065

Chemical comparison of two *Polygonum chinense* species by UHPLC-QTOF-MSMS

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Content:

Objective: To study the chemical constituents of *Polygonum chinense* var. *chinense* and *Polygonum chinense* var. *hispidum*, evaluate the quality from different species.

Methods : *P. chinense* of the different original samples are compared using ultra-performance liquid chromatography-quadrupole time-of-flight mass spectrometry (UHPLC-QTOF-MSMS), a Waters ACQUITY HSS-C₁₈ column(1.8 μ m, 2.1 \times 100 mm) was used for separation. The mobile phase was consisted of (A) 0.20% formic acid in water and (B) acetonitrile, and the flow rate was 0.30 mL·min. ESI source in negative ion mode was used for MS detection.

Results: The results showed that flavonoids and polyphenols were the main components of both extracts, a total of 29 compounds were separated in 12 min, four compounds were identified as gallic acid, chlorogenic, ellagic acid and quercitrin based on the reference standards, and 21 compounds were identified or tentatively characterized in *P. chinense* according to the accurate m/z value analysis of TOF-MS data, and QTOF-MS/MS fragment analysis and spectral data from references.

Conclusion: A rapid and efficient method for studying the chemical constituents of *Polygonum chinense* by UHPLC-QTOF/MSMS was established, it could provide reference for further study in *P. chinense*, as well as provide scientific basis for the quality standard research and quality assessment.

Key words: *Polygonum chinense*; UHPLC-QTOF-MS/MS; chemical constituents

209

Study for biological activity of non-medical aerial part of *Bletilla formosana*

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*National Research Institute of Chinese Medicine, Taipei***Content:**

Development of the non-medical aerial part provide another chance to find therapeutic potential components especially while the medical usage is perennial roots or rhizomes. Wound repair is highly complex, comprising a series of coordinated and overlapping processes. The management of a chronic wound has become a major therapeutic challenge, and it is a problem that will only escalate with the increasing incidence of conditions that impede wound healing, such as diabetes, obesity and vascular disorders. *Bletilla formosana* (*B. formosana*) is used as common *bletilla tuber*, which belongs to one kind of the Taiwan peculiar plants. Polysaccharide is considered important with many biological functions. Therefore, in this study, we first propagate the culture of *B. formosana* for 45 days, isolation of its polysaccharide (BFP) and to identify the sugar compositions and MW distribution. Moderate IL-1 β and TNF- α secretion was found after treatment with BFP for 24 hrs in macrophages. BFP also showed significant potency on EC migration and also increased angiogenesis *in vitro*. VE-cadherin, β -catenin and Wnt1 expression were increased while E-cadherin expression decreased after BFP incubation on ECs. The moderate inflammatory effect, enhancement of EC migration and alternation of Wnt/ β -catenin pathway might correlate with the wound-healing activity of BFP. Working on the study and development of Taiwan peculiar plants is valuable especially using tissue culture is a convenient way to propagate plants fast and efficient. As chronic wound is a problem that will escalate with the increasing incidence of conditions that impede wound healing, such as diabetes, obesity and vascular disorders, we anticipate our results will further provide evidence of BFP as a new therapeutic reference for wound repair.

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Preventive Medicine and TCM Diagnosis

227

A tale of two medicines: It is the best time of Liu Jun Zi Tang, it is the worst time of cisplatin, it is the time for Liu Jun Zi Tang to attenuate cisplatin-induced neurotoxicity- a possible complementary therapy for chemotherapy-induced neurotoxicity

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Content:

Liu Jun Zi Tang (LJZT) has been used to treat functional dyspepsia and depression, suggesting its effects on gastrointestinal and neurological functions. LJZT is currently used as a complementary therapy to attenuate cisplatin-induced side effects such as dyspepsia. However, its effect on chemotherapy-induced neuropathic pain or neurotoxicity has rarely been studied. Thus, we explored potential mechanisms underlying LJZT protection against cisplatin-induced neurotoxicity. We observed that LJZT attenuated cisplatin-induced thermal hyperalgesia in mice and apoptosis in human neuroblastoma SH-SY5Y cells. Furthermore, it also attenuated cisplatin-induced cytosolic and mitochondrial free radical formation, reversed the cisplatin-induced decrease in mitochondrial membrane potential, and increased the release of mitochondrial pro-apoptotic factors. LJZT not only activated the peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PGC-1 α) promoter region but also attenuated the cisplatin-induced reduction of PGC-1 α expression. Silencing of the PGC-1 α gene counteracted the protection of LJZT. Taken together, LJZT mediated through anti-oxidative effect and mitochondrial function regulation to prevent cisplatin-induced neurotoxicity.

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