



CURRICULUM VITAE of Mr. CL CHAN (clchan@hkbu.edu.hk)

Name: CHAN Chi Leung

Academic qualifications:

1987.9-1990.7 BSc (Hons) Hong Kong Baptist University
1991.2-1994.7 M.Phil. Hong Kong Polytechnic

Previous positions held:

1993.1-1997.12 Technician/Demonstrator Department of Chemistry, Faculty of Science, Hong Kong Baptist University
1997.12-2000.1 Technician Institute for the Advancement of Chinese Medicine, Hong Kong Baptist University
2000.1-2006.1 Technician Research and Development Division, School of Chinese Medicine, Hong Kong Baptist University
2006.1-2014.6 Technical Officer Research and Development Division, School of Chinese Medicine, Hong Kong Baptist University

Present position:

2014.7-present Technical Officer Teaching and Research Division, School of Chinese Medicine, Hong Kong Baptist University

Relevant research work:

Technical expertise Mass Spectrometry and Chemical Instrumentation
Research area Mass Spectrometry and Analytical Chemistry

Publications

1. Ma XQ, Leung AK, **Chan CL**, Su T, Li WD, Li SM, Fong DW, Yu ZL. UHPLC UHD Q-TOF MS/MS analysis of the impact of sulfur fumigation on the chemical profile of Codonopsis Radix (Dangshen); **Analyst** (2014 Jan 21); 139(2):505-16
2. Hiu Yee Kwan, Yong-Mei Hu, **Chi Leung Chan**, Hui-Hui Cao, Chi Yan Cheng, Si-Yuan Pan, Kai Wing Tse, Yiu Cheong Wu, Zhi-Ling Yu, and Wang Fun Fong; Lipidomics Identification of Metabolic Biomarkers in Chemically Induced Hypertriglyceridemic Mice, **J. Proteome Res.** (2013), 12, 1387-1398
3. Hongyang Zhang, Jing-Rong Wang, Lee Fong Yau, Hing Man Ho, **Chi Leung Chan**, Ping Hu, Liang Liu and Zhi-Hong Jiang; A cellular lipidomic study on the A β -induced neurotoxicity and neuroprotective effects of EGCG by using UPLC/MS-based glycerolipids profiling and multivariate analysis, **Molecular BioSystems**, (2012 Oct 30); 8(12):3208-15
4. Li SL, Lin G, Fu PP, **Chan CL**, Li M, Jiang ZH, Zhao ZZ, Zhi-Hong Jiang; Identification of five hepatotoxic pyrrolizidine alkaloids in a commonly used traditional Chinese medicinal herb, Herba Senecionis scandentis (Qianliguang).. **Rapid Commun Mass Spectrom.** (2008);22(4):591-602
5. Zhang GQ, Huang XD, Wang H, Leung AK, **Chan CL**, Fong DW, Yu ZL; Anti-inflammatory and analgesic effects of the ethanol extract of Rosa multiflora Thunb. hips.; **Journal of Ethnopharmacology.** (2008 Jul 23);118(2):290-4
6. Zhong-Zhen Zhao, Zhi-Tao Liang, Zhi-Hong Jiang, Kelvin Sze-Yin Leung, **Chi-Leung Chan**, Hon-Yee Chan, Jaime Sin, Tim-On Man, Kwok-Wai Law; Comparative Study on the Aristolochic Acid I Content of Herba Asari for Safe Use, **Phytomedicine**, (2008 Sep); 15(9):741-8
7. Zhitao Liang, Zhihong Jiang, Kelvin Sze-Yin Leung, **Chi-Leung Chan**, Zhongzhen Zhao.; Authentication and Differentiation of Two Easily Confusable Chinese Materia Medica: Herba Solani Lyrati and Herba Aristolochiae Mollissimae. **Journal of Food and Drug Analysis**, (2006 Jan), 14(1): 36-43,
8. Zhao, Zhongzhen; Lu, Jia; Leung, Kelvin; **Chan, Chi Leung**; Jiang, Zhi-Hong. Determination of patchoulic alcohol in Herba Pogostemonis by GC-MS-MS. **Chemical & Pharmaceutical Bulletin**, (2005), 53(7), 856-860.
9. Guang-Hua Lu, Kelvin Chan, Yi-Zeng Liang, Kelvin Leung, **Chi-Leung Chan**, Zhi-Hong Jiang, Zhong-Zhen Zhao; Development of high-performance liquid chromatographic fingerprints for distinguishing Chinese Angelica from related umbelliferae herbs. **Journal of Chromatography A**, (2005 May 6);1073(1-2):383-92.
10. Guang-Hua Lu, Kelvin Chan, Kelvin Leung, **Chi-Leung Chan**, Zhong-Zhen Zhao, Zhi-Hong Jiang; Assay of free ferulic acid and total ferulic acid for quality assessment of Angelica sinensis. **Journal of Chromatography A**, (2005 March 18), 1068(2): 209-219,.
11. K.S.-Y. Leung, K. Chan and **C.L. Chan**; Systematic Evaluation of Organochlorine Pesticide Residues in Chinese Materia Medica, **Phytotherapy Research.** (2005), 19, 514-518.
12. Chen Wen-Hua; Qin Yong; Cai Zongwei; **Chan Chi-Leung**; Luo Guo-An; Jiang Zhi-Hong Spectrometric studies of cytotoxic protoberberine alkaloids binding to double-stranded DNA. **Bioorganic & Medicinal Chemistry** (2005 Mar 1), 13(5), 1859-1866.
13. Chen Wen-Hua; **Chan Chi-Leung**; Cai Zongwei; Luo Guo-An; Jiang Zhi-Hong Study on noncovalent complexes of

- cytotoxic protoberberine alkaloids with double-stranded DNA by using electrospray ionization mass spectrometry. **Bioorganic & Medicinal Chemistry Letters** (2004 Oct 4), 14(19), 4955-4959.
14. Lu Guang-Hua; Chan Kelvin; **Chan Chi-Leung**; Leung Kelvin; Jiang Zhi-Hong; Zhao Zhong-Zhen Quantification of ligustilides in the roots of *Angelica sinensis* and related umbelliferous medicinal plants by high-performance liquid chromatography and liquid chromatography-mass spectrometry. **Journal of chromatography. A** (2004 Aug 13), 1046(1-2), 101-107.
 15. Chan K; Chui S H; Wong D Y L; Ha W Y; **Chan C L**; Wong R N S Protective effects of Danshensu from the aqueous extract of *Salvia miltiorrhiza* (Danshen) against homocysteine-induced endothelial dysfunction. **Life Sciences** (2004 Nov 12), 75(26), 3157-3171.

Name of Technical Staff: **Mr. CL Chan**

Role as the 1 st Equipment In-charge			Role as the 2 nd Equipment In-charge		
Equipment Name	Location	Responsibilities	Equipment Name	Location	Responsibilities
Agilent 6460 QQQ LC/MS/MS with UHPLC	SCM 707	1, 2, 3, 4	MicrOTOF-Q MS with UPLC	SCM 802	1, 2
Agilent 6540 Q-TOF LC/MS/MS with UHPLC	SCM 707	1, 2, 3, 4			
Agilent ChipCube LC/MS/MS Interfacing System with Agilent 1200 Nano-LC	SCM 707	1, 2, 3, 4			
Agilent MassHunter Offline Data Analysis Workstations with Network Attached Server	SCM 707	1, 2, 3, 4			
Finnigan PolarisQ GC-IT-MS	SCM 707	1, 2, 3, 4			
Agilent 6890N GC-ECD	SCM 707	1, 2, 3, 4			
Camag ATS3 TLC Autosampler	SCM 708	1, 2, 3, 4			
Camag ATS4 TLC Autosampler	SCM 708	1, 2, 3, 4			
Camag Scanner3 TLC Scanner	SCM 708	1, 2, 3, 4			
Camag Reprostar TLC Imaging System	SCM 708	1, 2, 3, 4			
Waters GPC Cleanup System	SCM 708	1, 2, 3, 4			
Zymark TurboVap II System	SCM 701	2, 3, 4			
Caliper TurboVap II System	SCM 701B	2, 3, 4			

Responsibilities:

1. Develop test methods for users
2. Operate the equipment
3. Provide training to users
4. Conduct maintenance for the equipment