

CHAN Chi Leung

Academic qualifications:

- 1987-1990: BSc(Hons) Department of Chemistry, Hong Kong Baptist University
1991-1994: MPhil Department of Applied Biology and Chemical Technology,
Hong Kong Polytechnic

Previous academic positions held:

Present academic position:

Previous relevant research work:

Mass spectrometric studies in biological and Chinese medicinal applications

Publication records:

Section A-Five most representative publications in the recent five years (* Corresponding Author)

1. Hiu Yee Kwan, Jiahui Wu, Tao Su, Xiao-Juan Chao, Bin Liu, Xiuqiong Fu, **Chi Leung Chan**, Rebecca Hiu Ying Lau, Anfernee Kai Wing Tse, Quan Bin Han, Wang Fun Fong and Zhi-ling Yu. Cinnamon induces browning in subcutaneous adipocytes, *Scientific Reports*, 2017; 7: 2447.
2. Tao Su, Yong Tan, Man-Shan Tsui, Hua Yi, Xiu-Qiong Fu, Ting Li, **Chi Leung Chan**, Hui Guo, Ya-Xi Li, Pei-Li Zhu, Anfernee Kai Wing Tse, Hui Cao, Ai-Ping Lu & Zhi-Ling Yu. Metabolomics reveals the mechanisms for the cardiotoxicity of Pinelliae Rhizoma and the toxicity-reducing effect of processing; *Scientific Reports*, 2016; 6: 34692.
3. Hiu Yee Kwan, Xuyan Niu, Wenlin Dai, Tiejun Tong, Xiaojuan Chao, Tao Su, **Chi Leung Chan**, Kim Chung Lee, Xiuqiong Fu, Hua Yi, Hua Yu, Ting Li, Anfernee Kai Wing Tse, Wang Fun Fong, Si-Yuan Pan, Aiping Lu, Zhi-Ling Yu. Lipidomic-based investigation into the regulatory effect of Schisandrin B on palmitic acid level in non-alcoholic steatotic livers; *Scientific Reports* 03/2015; 5:9114
4. Hiu Yee Kwan, Xiuqiong Fu, Bin Liu, Xiaojuan Chao, **Chi Leung Chan**, Hui-Hui Cao, Tao Su, Anfernee Kai Wing Tse, Wang Fun Fong, Zhi-Ling Yu Subcutaneous Adipocytes Promote Melanoma Cell Growth by Activating the Akt Signaling Pathway; *Journal of Biological Chemistry* 09/2014; 289(44).
5. 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

Section B - Five representative publications beyond the recent five-year period with the latest publication entered first

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

Award:

Patent:

Funded Projects