



## CURRICULUM VITAE of Dr. HAN QUANBIN ([simonhan@hkbu.edu.hk](mailto:simonhan@hkbu.edu.hk))

**Name:** Han Quanbin

### Academic qualifications:

1996 B.S. Henan University of Traditional Chinese Medicine, China  
2000 M.S. Henan University of Traditional Chinese Medicine, China  
2003 Ph.D. Kunming Institute of Botany, Chinese Academy of Sciences, China

### Previous academic positions held:

2004-2009 Scientist Hong Kong Jockey Club Institute of Chinese Medicine  
2009-2011 Research Assistant Professor Institute of Chinese Medicine, CUHK

### Present academic position:

2011- Assistant Professor School of Chinese Medicine, HKBU

### Previous relevant research work:

Dr. Han has 140+ research papers published on ISI indexed journals in the fields of herbal medicine, being the first author for 40 of them. He (in PI capability) has completed several research projects regarding natural product chemistry, and quality analysis of herbal medicines. Now his research interests focus on qualitative and quantitative analysis, and pharmacokinetics study of polysaccharides in Chinese medicines.

### Representative publications (\* corresponding author)

1. Xiao-Qiang Han, Gar-Lee Yue, Rui-Qi Yue, Cai-Xia Dong, Chung-Lap Chan, Chun-Hay Ko, Wing-Shing Cheung, Ke-Wang Luo, Hui Dai\*, Chun-Kwok Wong, Ping-Chung Leung, **Quan-Bin Han\***, Structure elucidation and immunomodulatory activity of a beta glucan from the fruiting bodies of *Ganoderma sinense*, PLOS ONE, 2014, pone.0100380. IF: 3.73
2. Jun Xu, Song-Lin Li, Rui-Qi Yue, Chun-Hay Ko, Jiang-Miao Hu, Jing Liu, Hing-Man Ho, Tao Yi, Zhong-Zhen Zhao, Jun Zhou, Ping-Chung Leung, Hu-Biao Chen\*, **Quan-Bin Han\***, A novel and rapid HPGPC-based strategy for quality control of saccharide-dominant herbal materials: *Dendrobium officinale*, a case study, Analytical and Bioanalytical Chemistry, 2014, in press IF: 3.6
3. Jun-Yi Yin, Zhi-Hong Jiang, Hua Yu, Ming-Yong Xie, Wen-Luan Hsiao, Ai-Ping Lu, **Quan-Bin Han\***, A new application of an aqueous diphasic solvent system in one-step preparation of polysaccharide from the crude water extract of Radix Astragali by high-speed counter-current chromatography, Journal of Chromatography A, 2012, 1262, 92-97. IF: 4.6
4. Xian-Jun Yu, **Quan-Bin Han\***, Zhe-Sheng Wen, Liang Ma, Jin Gao, Guang-Biao Zhou\*, Gambogic acid induces G1 arrest via GSK3 $\beta$ -dependent Cyclin D1 degradation and triggers autophagy in lung cancer cells, Cancer Letters, 2012, 322, 185-194. IF: 4.3
5. Jun-Yi Yin, Ben Chung-Lap Chan, Hua Yu, Iris Yuen-Kam Lau, Xiao-Qiang Han, Sau-Wan Cheng, Chun-Kwok Wong, Clara Bik-San Lau, Ming-Yong Xie, Kwok-Pui Fung, Ping-Chung Leung, **Quan-Bin Han\***, Separation, structure characterization, conformation and immunomodulating effect of a hyperbranched heteroglycan from Radix Astragali, Carbohydrate Polymers, 2012, 87, 667-75. IF: 3.6
6. Han-Dong Sun, Sheng-Xiong Huang, and **Quan-Bin Han**, Diterpenoids from *Isodon* species and their biological activities, Natural Products Report, 2006, 23, 673-698. IF: 10.18
7. **Quan-Bin Han**, Hong-Xi Xu, Caged Garcinia Xanthones, development since 1937, Current Medicinal Chemistry, 2009, 16, 3775-3796. IF: 4.07
8. **Quan-Bin Han**, Ting-Fai Tso, Susan Cheung, Joseph Tai, Chun-Feng Qiao, Jing-Zheng Song, Han-Dong Sun, Hong-Xi Xu, Maoecrystal Z, a Cytotoxic Diterpene from *Isodon eriocalyx* with an Unique Skeleton, Organic Letters, 2006, 8, 4727-4730. IF: 6.14
9. **Quan Bin Han**, Jing Zheng Song, Chun Feng Qiao, Lina Wong, Hong Xi Xu, Preparative separation of gambogic acid and its C-2 epimer using recycling high-speed counter-current chromatography, Journal of Chromatography A, 2006, 1127, 298-301.
10. **Quan-Bin Han**, Nian-Yun Yang, Hong-Lei Tian, Chun-Feng Qiao, Jing-Zheng Song, Donald C. Chang, Shi-Lin Chen, Kathy Q. Luo and Hong-Xi Xu, Xanthones with growth inhibition against HeLa cells from *Garcinia xipshuanbannaensis*, Phytochemistry, 2008, 69, 2187-2192.

### Patents

1. U. S. Patent (No. 7,592,367) entitled 'Novel compounds from Garcinia hanburyi and their use in treating cancer and enhancing other drug's bioavailability', first inventor: Quan-Bin Han, was issued on May 14, 2009.
2. China Patent (No. ZL 200910095183.9) entitled "A novel method for preparation of eriocalyxin B" by Sun, H.D., Han, Q. B., Pu, J.X., was issued on 5-Oct-2011.

3. U. S. Patent (application No. 61/648,620) entitled 'A new aqueous diphase solvent system to be used with counter-current chromatography in the preparation of high-purity polysaccharides' by Han, Q. B. was filed on May 18, 2012.
4. US patent (application No. 14,151,832) entitled "Anti-enterovirus 71 steroid saponins and their preparation" by Han, Q. B., Lu, A. P., Bian, Z. X., Xu, H. X., Liu, M. S., Tao, L., Wang, M. J., Chen, K. X, was filed on 10/01/2014.
5. US patent (application No. 13/940,944) entitled "A quality control marker and its use in herbs authentication" by Han, Q.B., Chen, H.B., Xu, J., was filed on 07/12/2013.