

Name Yuan Shiun Chang, Ph.D. (張永勳)

Current Positions

Professor of Pharmacognosy, Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources, College of Chinese Medicine, China Medical University, 2010-

Consultant, Chinese Crude Drug Pharmacy, University Hospital, China Medical University, 2000-

Member of the Scientific Committee of Hong Kong Chinese Materia Medica Standards, 2012-

Member, USP Herbal Medicine Compendium, East Asia Expert Panel 2015~2025.

Member, EDQM TCM Working Party, European Pharmacopeia, 2017 – 2022.

Honorary Professor (2019-2021), Hong Kong Baptist University, Hong Kong.



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Education

Ph. D. in Pharmacognosy, University of Illinois at Chicago, Chicago, Illinois, U.S.A. 1989.

M.S. in Pharmacognosy, Institute of Chinese Pharmaceutical Sciences, China Medical College, Taichung, Taiwan, Republic of China, 1977.

B.S. in Pharmacy, School of Pharmacy, China Medical College, Taichung, Taiwan, Republic of China, 1974.

Expertise

Medicinal Botany, Pharmacognosy, Chinese Materia Medica, Phytochemistry, Quality Control of Crude Drugs, Herbal pharmacopeia, Pharmacology.

Research Interests

Medicinal Botany, Pharmacognosy, Chinese Materia Medica, Phytochemistry, Quality Control of Crude Drugs, Herbal pharmacopeia, Pharmacology.

Selected Grants:

Hong Kong Chinese Meteria Medica Standard Project, Department of Health, Hong Kong. (2011-2020)

Trend Investigation on International Quality Control of TCM and Pharmacopeia Editing, Ministry of Health and Welfare, Taiwan, 2020.

Selected Publications

Journals:

1. Yi-Kung Lin, Yu-Ling Ho, Yang Zhao, Yuan-Shiun Chang: Quality assessment of *Fritillariae Thunbergii* Bulbus sold in Taiwan markets using a validated HPLC-UV method combined with hierarchical clustering analysis, *Journal of Food and Drug Analysis*: 22(4), 2014.
2. Yang Zhao, Chun-Pin Kao, Kun-Chang Wu, Chi-Ren Liao, Yu Ling, Ho*, Yuan Shiun Chang*: Chemical Compositions, Chromatographic Fingerprints and Antioxidant Activities of *Andrographis Herba*, *Molecules*, 19(11):18332-18350, 2014.
3. Yang Zhao, Yuan-Shiun Chang, Pei Chen: Differentiation of *Aurantii Fructus Immaturus* from *Poniciri Trifoliatae Fructus Immaturus* using flow-injection mass spectrometric (FIMS) metabolic fingerprinting method combined with chemometrics. *Journal of Pharmaceutical and Biomedical Analysis*: 107:251-257, 2015.
4. Sheng-Kang Huang, Yu-Ling Ho, Yuan-Shiun Chang*: Prescriptions of traditional Chinese medicine, western medicine, and integrated Chinese–Western medicine for allergic rhinitis under the National Health Insurance in Taiwan. *Journal of Ethnopharmacology*: 173, 212–216, 2015.
5. Yang Zhao, Chun-Pin Kao, Chi-Ren Liao, Kun-Chang Wu, Xin Zhou, Yu-Ling Ho* and Yuan-Shiun Chang*: Chemical compositions, chromatographic fingerprints and antioxidant activities of *Citri Exocarpium Rubrum* (Juhong) *Chinese Medicine*, 12(6), 2017.
6. Kun-Chang Wu, Chun-Pin Kao, Yu-Ling Ho*, and Yuan-Shiun Chang*: Quality control of the root and rhizome of *Helminthostachys zeylanica* (Daodi-Ugon) by HPLC using Quercetin and Ugonins as markers, *Molecules*, 22(7), 1115, 2017.
7. Kun-Chang Wu, Yu-Ling Ho, Yueh-Hsiung Kuo, Shyh-Shyun Huang, Guan-Jhong Huang and Yuan-Shiun Chang*: Hepatoprotective Effect of Ugonin M, A *Helminthostachys zeylanica* Constituent, on Acetaminophen-Induced Acute Liver Injury in Mice, *Molecules*, 23, 2420, 2018.
8. Yao-Hsuan Li, Chun-Yi Lai, Mei-Chi Su, Ju-Chien Cheng* and Yuan-Shiun Chang* Antiviral activity of *Portulaca oleracea* L. against influenza A viruses. *Journal of Ethnopharmacology*, 241: 2019. 112013.

Books:

1. Taiwan Herbal Pharmacopeia (II) Chinese version : Ministry of Health and Welfare Taiwan, 2013. (Minister of Ministry of Health and Welfare is the Editor in Chief of the Governmental Publication, Professor Yuan-Shiun Chang is the PI of the Project for compiling the Chinese THP Pharmacopeia)
2. Yu-Ling Ho and Yuan-Shiun Chang : Color Illustrations of Taiwan Herbal Pharmacopeia, Ministry of Health and Welfare, 2013.
3. Taiwan Herbal Pharmacopeia 2nd Edition English version : Ministry of Health and Welfare, 2015 . (Minister of Ministry of Health and Welfare is the Editor in Chief of the Governmental Publication, Professor Yuan-Shiun Chang is the PI of the Project for compiling the English THP Pharmacopeia).
4. Yuan-Shiun Chang and Yu-Ling Ho: Illustrations of Commonly Misused Chinese Crude Drug Species in Taiwan. Ministry of Health and Welfare, 2015.

5. Yu-Ling Ho and Yuan-Shiun Chang : Compendium of Medicinal Plants Used by the Indigenous People of Taiwan. Ministry of Health and Welfare, 2018.
6. Yuan-Shiun Chang and Yu-Ling Ho : Color Illustrations for Identification of Commonly Used Chinese Materia Medica. Ministry of Health and Welfare, 2019.
7. Yuan-Shiun Chang and Yu-Ling Ho : Introduction to Chinese Herbs, Hung Chyi Printing Co., 2020.
8. Taiwan Herbal Pharmacopeia (III) Chinese version : Ministry of Health and Welfare Taiwan, 2018 ◦ (Minister of Ministry of Health and Welfare is the Editor in Chief of the Governmental Publication, Professor Yuan-Shiun Chang is the PI of the Project for compiling the Chinese THP III)
9. Taiwan Herbal Pharmacopeia 3rd Edition English version : Ministry of Health and Welfare, 2019 ◦ (Minister of Ministry of Health and Welfare is the Editor in Chief of the Governmental Publication, Professor Yuan-Shiun Chang is the PI of the Project for compiling the 3rd Edition English of THP)