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Name Yun-Lian Lin

Current Positions Professor, Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources, China Medical University
91, Hsueh-Shih Road
Taichung 40402
Taiwan

Telephone +886-4-22053366 ext. 5520

E-mail yllin@mail.cmu.edu.tw; yllin5212@gmail.com

E-Portfolio Website <https://cmuscmr.cmu.edu.tw/english/faculty/Yun-Lian%20Lin.html>

Personal Website

Education

B.S. Department of Soil Science, National Chung Hsing University (1971-1975)
M.S. Institute of Agricultural Chemistry, National Taiwan University (1976-1978)
Ph.D. Institute of Agricultural Chemistry, National Taiwan University (1986-1990)

Expertise

Natural Products Chemistry
Organic Spectroscopy
Metabolomics
Pharmacognosy

Research Interests

Three interrelated projects are our current focus: 1) Exploration of bioactive compounds for neurodegenerative diseases and liver fibrosis from Chinese herbs; 2) Development and establishment of standardized quality control platform for Chinese herbs and species discrimination of herbal drugs by metabolomics study; 3) Efficacy of Chinese herbal remedies and TCM syndrome (*Zheng*) differentiation by metabolomics approaches.

Selected Grants:

1. Investigation of the active constituents in *You-Gui-Wan* for improving allergic asthma and new drug development thereof (MOST 109-2320-B-039-031)
2. To identify bio-signatures involved in the development of chronic pain (109-2321-B-001-005)

Selected Publications

1. W.H. Hsu, Y.M. Chao, Y.J. Huang, C.H. Yeh, **Y.L. Lin***. 2020. T1-11, an adenosine derivative, ameliorates aging-related pathologies in aging mice. *Aging-US*. June 15, 12(11):10556-10577. <https://doi.org/10.18632/aging.103279>
2. W.H. Hsu, C.H. Lee, Y.M. Chao, C.H. Kuo, W.C. Ku, C.C. Chen, **Y.L. Lin***. 2019. ASIC3-dependent metabolomics profiling of serum and urine in a mouse model of fibromyalgia. *Sci Rep*. 2019, 9:12123. Doi:10.1038/s41598-019-48315-w
3. I.J. Lee, C.P. Chung, S.J. Chang, **Y.L. Lin***. 2017. Morphological and chemical analyses of *Eriocaulis* Flos sold in Taiwan markets. *J Food Drug Anal*. 25:939-945. <http://dx.doi.org/10.1016/j.jfda.2017.01.002>

Selected Patents

1. Dual functional adenosine analogues and use thereof in treating neurodegenerative diseases (I 398255 (2013); ZL201080051296.X (2016); EP 2498774B1 (2017)); Yun-Lian Lin, Yijuang Chern, Jim-Min Fang, Jung-Hsin Lin, Nai-Kuei Huang