

## Curriculum Vitae

**Yu-Tse WU (吳育澤)**

### Affiliation

Associate Professor

School of Pharmacy, Kaohsiung Medical University,  
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### Academic degree

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| 2002 | B.S. in Pharmacy, Kaohsiung Medical University, Taiwan               |
| 2004 | M.S. in Pharmaceutical Science, Kaohsiung Medical University, Taiwan |
| 2008 | Ph.D. in Traditional Medicine, National Yang-Ming University, Taiwan |

### Professional experience

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| 2008- 2011    | Alternative military service as a post doctoral research fellow, National Yang-Ming University, Taiwan                      |
| 2011- 2012    | Assistant professor (Project faculty), National Yang-Ming University, Taiwan  |
| 2012-2013     | Researcher, Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute (ITRI), Taiwan |
| 2016-2018     | Continuing Education Review Committee, Pharmaceutical Society of Taiwan   |
| 2017-2018     | Adjunct Research Fellow, Department of Medical Research, Kaohsiung Medical University Hospital                              |
| 2017- present | Editorial Board of the Chinese Pharmacopoeia, Ministry of Health and Welfare, Taiwan  |
| 2019- present | Editorial Board of the Taiwan Herbal Pharmacopoeia, Ministry of Health and Welfare, Taiwan                                  |
| 2020-present  | Secretary-general. Taiwan Anti-Doping Association   |
| 2013-2017     | Assistant Professor, School of Pharmacy, Kaohsiung Medical University, Taiwan   |

### Awards

1. Futuristic Breakthrough Technology Award, Ministry of Science and Technology, Taiwan, 2017 & 2019
2. Good Teaching Faculties, Kaohsiung Medical University, 2014 & 2016
3. Industry-University Cooperation Award, Kaohsiung Medical University, 2016, 2018 & 2019

### Reviewer of scientific journals

Journal of Chromatography B 2015~  
Molecules 2015~  
International Journal of Nanomedicine 2017~  
Drug Design, Development and Therapy 2017~  
Pharmaceutics 2017~  
Powder Technology 2017~  
Polymer 2018~  
Journal of Agriculture and Food Chemistry 2019~  
European Journal of Drug Metabolism and Pharmacokinetics 2019~  
Journal of Food and Drug Analysis 2019~  
Food Science & Nutrition 2019~  
Nanomaterials 2019~  
Food & Function 2019~  
Pharmaceutics (Reviewer Board) 2020~  
International Journal of Sports Medicine 2020~  
Materials 2020~  
Arabian Journal of Chemistry 2021~  
Journal of Pharmaceutical Analysis 2021~

### **Research topics**

1. Development and anti-fatigue assessment of novel ergogenic aids in sport
2. Formulation design, characterization, and preclinical pharmacokinetic assessments of natural products
3. Determination of bioactive ingredients in foods/herbs and active pharmaceutical ingredients by HPLC

### **Select publications**

1. Yun-Shan Hsieh, Yih-Fung Chen, Yung-Yi Cheng, Wan-Yi Liu; **Yu-Tse Wu**\* (2022, Sep.) Self-Emulsifying Phospholipid Preconcentrates for the Enhanced Photoprotection of Luteolin. *Pharmaceutics* 14(9), 1896. <https://doi.org/10.3390/pharmaceutics14091896>. (2021, IF: 6.525, SCI, 39/279, PHARMACOLOGY & PHARMACY).
2. Wan-Yi Liu, Yun-Shan Hsieh, **Yu-Tse Wu**\* (2022, Mar.) Poly (Lactic-Co-Glycolic) Acid–Poly (Vinyl Pyrrolidone) Hybrid Nanoparticles to Improve the Efficiency of Oral Delivery of  $\beta$ -Carotene. *Pharmaceutics*, 14(3), 637. <https://doi.org/10.3390/pharmaceutics14030637>. (2021, IF: 6.525, SCI, 39/279, PHARMACOLOGY & PHARMACY). MOST110-2410-H-037-008-MY2
3. William Chih-Wei Chang, Ching-Chi Yen, Wan-Yi Liu, Yun-Shan Hsieh, Mei-Chieh Hsu, **Yu-Tse Wu**\* (2021, Oct.) Blood-to-muscle distribution and urinary excretion of higenamine in rats. *Drug Testing and Analysis*, 13(10), 1776-1782. [IF<sub>2020</sub>= 3.345, SCIE, 34/87 (39.08%),

CHEMISTRY, ANALYTICAL]

4. Ching-Chi Yen, Chun-Wei Tung, Chih-Wei Chang, Chin-Chuan Tsai, Mei-Chich Hsu\*, **Yu-Tse Wu\*** (2020, Feb). Potential Risk of Higenamine Misuse in Sports: Evaluation of Lotus Plumule Extract Products and a Human Study. *Nutrients*, 12(2), 285. [IF<sub>2020</sub>= 5.717, SCIE, 17/88 (19.31%), NUTRITION&DIETETICS]
5. Ching-Chi Yen, Yi-Chen Chen, Ming-Tsang Wu, Chia-Chi Wang, **Yu-Tse Wu\*** (2018, Jan). Nanoemulsion as a strategy for improving the oral bioavailability and anti-inflammatory activity of andrographolide. *International Journal of Nanomedicine*, 13, 669-680. (IF<sub>2020</sub>= 6.4, SCIE, 28/275 (10.18%), PHARMACOLOGY & PHARMACY)
6. Chih-Wei Chang, Chun-Wei Tung, Chin-Chuan Tsai, **Yu-Tse Wu\***, Mei-Chich Hsu\* (2017, Jun). Determination of cannabinoids in hemp nut products in Taiwan by HPLC-MS/MS coupled with chemometric analysis: quality evaluation and a pilot human study. *Drug Testing and Analysis*, 9: 888-897. [IF<sub>2020</sub>= 3.345, 34/83 (40.96%), CHEMISTRY, ANALYTICAL].
7. Chih-Wei Chang, Cheng-Yu Wong, **Yu-Tse Wu\***, Mei-Chich Hsu\* (2017, Apr). Development of a solid dispersion system for improving the oral bioavailability of resveratrol in rats. *European Journal of Drug Metabolism and Pharmacokinetics*, 42(2): 239-249. [IF<sub>2020</sub>= 2.441, SCIE, 201/275 (73.09%), PHARMACOLOGY & PHARMACY]
8. Chih-Wei Chang, Yi-Ming Chen, Yi-Ju Hsu, Chi-Chang Huang, **Yu-Tse Wu\***, Mei-Chich Hsu\* (2016, Dec). Protective effects of the roots of *Angelica sinensis* on strenuous exercise-induced sports anemia in rats. *Journal of Ethnopharmacology*, 193, 169-178. [IF<sub>2020</sub>= 4.36, SCIE, 4/39 (10.25%), INTEGRATIVE & COMPLEMENTARY MEDICINE]
9. Chih-Wei Chang, Chih-Yuan Wang, **Yu-Tse Wu\***, Mei-Chich Hsu\* (2016, Nov). Enhanced solubility, dissolution, and absorption of lycopene by a solid dispersion technique: The dripping pill delivery system. *Powder Technology*, 301, 641-648. [IF<sub>2020</sub>= 5.134, SCIE, 30/143 (20.97%), ENGINEERING, CHEMICAL]
10. **Yu-Tse Wu\***, Meng-Ting Cai, Chih-Wei Chang, Ching-Chi Yen, Mei-Chich Hsu (2016, Oct). Bioanalytical method development using liquid chromatography with amperometric detection for the pharmacokinetic evaluation of forsythiaside in rats. *Molecules*, 21, 1384. [IF<sub>2020</sub>= 4.411, SCIE, 63/178 (35.39%), CHEMISTRY, MULTIDISCIPLINARY]