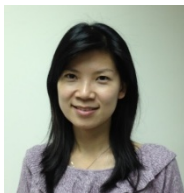


CV Form

Name(中/英文)	陳珮珊/Pai-Shan Chen	
Affiliation(s)(中/英文)	國立臺灣大學醫學院毒理學研究所/Graduate Institute of Toxicology, College of Medicine, National Taiwan University	
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個人簡歷 (No more than an A4 size paper)

Education/Training:

King's College London, United Kingdom Ph.D. Analytical and Environmental Sciences
National Tsing Hua University, Taiwan M.S. Chemistry
National Taiwan Normal University, Taiwan B.S. Chemistry

Professional and Research Experience:

Professor Pai-Shan Chen is a leading expert in Taiwan in analytical toxicology and drugs-of-abuse research. Her research focuses on developing innovative mass spectrometry, chromatographic, and microfluidic technologies for biomedical, forensic, and environmental applications. She has also integrated wastewater-based epidemiology and public health data to investigate illicit drug use trends in Taiwan, providing important evidence for drug surveillance, forensic investigations, and public health policy.

Awards and Honors:

Professor Pai-Shan Chen received the Young Scholar Award from the Taiwan Society for Mass Spectrometry in 2024. She has served as the Taiwan Representative to the International Association of Forensic Toxicologists (TIAFT) since 2021 and is a member of the Environmental Chemistry Committee of the Chemical Society Located in Taipei. She also serves on the Editorial Board of the Journal of Food and Drug Analysis and contributes to national drug policy and laboratory accreditation through her service with the Ministry of Health and Welfare and the Ministry of Justice.

Selected Publications:

1. Paper meets polymer: Efficiently manufacturing hybrid microfluidics for membrane-based applications. Chemical Engineering Journal, 2025, 522, 167788.
2. Graphitized mesoporous nanocomposites as a universal substrate for multi-class drug screening. Small, 2025, 21, e04570.
3. Wastewater-based epidemiology to monitor 68 NPS/conventional drug use in the Taipei metropolitan area during and after the COVID-19 pandemic. Journal of Hazardous Materials, 2024, 476, 135020.