

## **List of Posters & Their Designated Numbers**

### **Track I : Advances in analytical, characterization, and monitoring methods**

- P-01: Application of dispersive solid-phase extraction as pretreatments of liquid chromatography tandem mass spectrometry to detect perfluorocarbons and antibiotics in aquatic environment  
(Y. T. Hu, M. R. Lee, R. J. Lee, Y. S. Wang, K. E. Hsu, Ching-Ping Chu, Y. J. Chung)
- P-02: Monitoring PAH concentrations by using passive sampler in Kaohsiung Harbor  
(Wan-Ting Chang, Chon-Lin Lee, Meng-Der Fang)
- P-03: Monitoring of emerging contaminants in industrial wastewater effluents using various bioassays  
(Pei-Hsin Chou, Tong-Cun Liu, Yi-Ling Lin)
- P-04: Establishment of cytotoxicity detection system for detecting pharmaceutical and personal care products in wastewater  
(Pei-Shan Liu, Chih-Ta Lin, Wei-Ching Chu, Gie-Fun Hsu, Yi-Tang Chang, Wei-Liang Chao)
- P-05: Cytotoxicity of welding fume particles to human T lymphocyte Jurkat cells: effect of particle size and chemical composition  
(Pei-Shan Liu, Yin-Mei Chiung, Jun-Bo Lin, Jun-Ming Xie, Chuen-Jinn Tsai)
- P-06: Novel screening of polycyclic aromatic hydrocarbon compounds in sediment by laser induced fluorescence  
(Ting-Nien Wu, Wen-Hsien Tsai)
- P-07: Solid phase microextraction coupled with ambient mass spectrometry to rapid trace emerging contaminants in water  
(Min-Zong Huang, Jo-Han Chou, Jen-Taie Shiea)

### **Track II : Fate, transport, and transformation**

- P-08: Biodegradation of sulfamethoxazole in sewage and swine sludge  
(Chu-Hsi Fan, Li-Ling Tsai, Bea-Ven Chang)
- P-09: Evaluation of sulfonamides, sulfonamide resistance bacteria and resistance genes as emerging contaminants in swine wastewater  
(Mao-Hao Li, Chia-Yang Chen, Jih-Tay Hsu, Yung-Hsin Chen, Ying-Chih Liao, Ya-Yin Tsai, I-Ting Wu, Ching-Wen Ying)

- P-10: Daily and seasonal variations of triclosan concentration in influents and effluents of various sewage and hospital wastewater treatment plants in Taiwan  
(Gordon C. C. Yang, Fu-Kuei Chang)
- P-11: Study on the distribution of triclosan in the rivers receiving the effluent from a hospital wastewater treatment plant  
(Gordon C. C. Yang, Fu-Kuei Chang)
- P-12: Mechanism of amitriptyline adsorption on Ca-montmorillonite  
(Po-Hsiang Chang, Wei-Teh Jiang, Zhaohui Li, Chung-Yih Kuo, Jiin-Shuh Jean, Wan-Ru Chen)
- P-13: The transformation of Cr (VI) and Cr (III) through soil drying procedures  
(Shu-Fen Cheng, Chin-Yuan Huang, Chi-Ying Lai, Chi-Ying Lai)
- P-14: Assessment of the fates of chlorinated hydrocarbons in activated sludge process  
(Wei-Hsiang Chen, Wen-Ben Yang, Chung-Shin Yuan)
- P-15: Distribution of phthalate esters (PAEs) in the Dashu Old Railroad Bridge constructed wetland and Er-Jen River  
(Yi-Chu Huang, Wen-chien Kuo, Zhe-wei Chen, You-shen Chen)

### **Track III : Occurrence in groundwater and drinking water**

- P-16: Occurrence of groundwater indium and molybdenum from emerging industries in Taiwan  
(Hung The Tsai, Kuo Sheng Tsai, Shih Han Huang, Yu Ying Chen, Ying Tzu Chen, Chih Chung Liu, Ching Ping Chu, Sheng Wei Wang)
- P-17: The influences of storage and further purification on residual concentrations of pharmaceuticals and phthalate esters in drinking water  
(Saou-Hsing Liou, Gordon C. C. Yang, Chih-Lung Wang)

### **Track IV : Advancement in removal and treatment technologies**

- P-18: Ozonation of waters containing antineoplastic drugs  
(Angela Yu-Chen Lin, Julia Han-Fang Hsueh, P. K. Andy Hong)
- P-19: Using ion exchange resin to recover the characteristic components from the raw wastewater in the optoelectric industries  
(C. P. Chu, C.M. Wu, S.C. Wu, K.E. Hsu)

- P-20: Electrochemical degradation of ibuprofen in a soil matrix via RuO<sub>2</sub>/Ni foam electrodes – The effect of electrokinetic parameters  
(Ching Yuan, Tzu-Yuan Huang)
- P-21: Photodegradation of BPA using multi-crystalline C-doping TiO<sub>2</sub> nanocomposites prepared by hydrothermal method under irradiation of 430 nm - Effect of pH and PO<sub>4</sub><sup>3-</sup>  
(Chung-Hsuang Hung, Bo-Chao Chuang, Ching Yuan)
- P-22: A simple thermochemical treatment to produce highly-pure low-ash scrap tire carbons  
(Quoc D. Nguyen, Jarrn H. Lin)
- P-23: Adsorption of indium (III) ions from aqueous solution using chitosan-coated bentonite beads  
(Mary Jane C. Calagui, Delia B. Senoro, Chi-Chuan Kan, Jonathan WL Salvacion, Meng-Wei Wan)
- P-24: Cu-TiO<sub>2</sub> nanorods with enhanced ultraviolet- and visible-light photoactivity for bisphenol A degradation  
(Li-Fen Chiang, Reuy-an Doong)
- P-25: Effect of Pb co-doped titanium dioxide on the photocatalytic degradation of perfluorooctanoic acid  
(Meng-Jia Chen, Shang-Lien Lo, Yu-Chi Lee, Chung-Hsin Wu)
- P-26: A systematic bioremediation strategy for petroleum hydrocarbon contaminated soils  
(Yun-An Chen, Sheng-Shung Cheng, Tsung-Chain Chang)
- P-27: Photoelectrocatalytic degradation of the antibiotic sulfamethoxazole using TiO<sub>2</sub>/Ti photoanode  
(Yuh-fan Su, Yang-hsin Shih)
- P-28: Photocatalytic degradation of oxytetracycline on microwave-assisted hydrothermal synthesized Ti-MCM-41  
(Hanlin Chen, Ku-Fan Chen, Chia-Hsiang Lai, Shiau-Wu Lai, Yen-Ping Peng)
- P-29: Effect of silica scaling on the removal of pharmaceuticals and personal care products by nanofiltration and reverse osmosis membranes  
(Yi-Li Lin, Jheng-Hong Chiou, Hong-Bin Lyu)
- P-30: Degradation of bisphenol A in water with potassium ferrate and titania  
(Yen-Hsun Peng, Yu-Ling Wei, Jya-Jyun Yu, Paul H. Wang)
- P-31: Emulsion-enhanced biodegradation of decabrominated diphenylether  
(Shu-Chi Chang, Yi-Ru Chen, Tzu-Wen Chen)

P-32: Removal of Phthalates in Sewage Sludge by Filter Press Electrodewatering  
(Gordon C. C. Yang, Chia-Ling Tsai, Yen-Jung Lin)

#### **Track V : Emerging contaminants in vertebrate and invertebrate populations**

P-33: Occurrences and distributions of polybrominated diphenyl ethers in stranded cetaceans  
(*Stenella attenuate*) from Taiwan coast  
(Fung-Chi Ko, Nien-Ying We, Lien-Siang Chou)

P-34: Reproductive biology of the moon snail, *Natica lineata* (Gastropod: Naticidae) in southern  
Taiwan  
(Dun-Ru Kang, Li-Lian Liu)

P-35: Persistent endocrine disruption effects in medaka fish with early life-stage exposure to a  
triazole-containing aromatase inhibitor (Ietrozole)  
(Pei-Han Liao, Szu-Hung Chu, Zhi-Yi Tu, Xiao-Huan Wang, Angela Yu-Chen Lin, Pei-Jen  
Chen)

P-36: Emissions of persistent organic pollutants from a heavy-duty diesel engine equipped with  
diesel particle filter  
(Yu-Cheng Chang, Wen-Jhy Lee, Hsi-Hsien Yang, Lin-Chi Wang, Ying I. Tsai, Jau-Huai Lu,  
Man-Ting Cheng, Li-Hao Young, Chia-Jui Chiang)

#### **Track VI : Other relevant issues**

P-37: Monitoring of phthalate ester metabolites and beta-agonists in urine of a study group of  
consented participants in southern Taiwan  
(Saou-Hsing Liou, Gordon C. C. Yang, Chih-Lung Wang, Yu-Han Chiu)

P-38: Dimethylamine removal using mixed bacterial strains in batch reactors  
(Chun-Chin Wang, Chun-Hsien Tseng)

P-39: A metagenomics investigation of antibiotic-resistant bacteria and integrons in the river  
water environments of Taipei City  
(Chu-Wen Yang, Yi-Tang Chang, Wei-Liang Chao, Iau-iun Shiung, Hsuan Chen,  
Han-Sheng Lin, Min-Jheng Lu, Szu-Han Ho, Shao-Ning Fan, Pin-Hsuan Lee)

P-40: Exposure of Taiwanese people towards environmental hormones and the potential health  
impacts  
(Gordon C. C. Yang, Chih-Lung Wang, Yu-Han Chiu, Steven S.-L. Li)