

---

## General

**Name:** Qunshan WEI

**Title(职称):** Associate Professor

**Positions(职务):** Chinese Director of Confucius Institute at Moi University;

**Editorial(编委):** 《American Journal of Water Science and Engineering》, 《Processes》

**Email:** qswei@dhu.edu.cn

**Phone:** 86-21-67792557

**Office:** Room5142, College Building 4(College of Environmental Science and Engineering), 2999 People's North Road, Songjiang District, Shanghai (201620); Room 450, International Cooperation Office of Donghua University.

## Research Focus

- 1) Dissolved organic matter (DOM) and disinfection by-products (DBPs) control, removal of algae by coagulation;
- 2) Optimization of water treatment processes (conventional water treatment, membrane filtration, Ultrafiltration, coagulation, MIEEX, carbon adsorption, advanced oxidation);
- 3) Recycled water, storm runoff quality & assessment and various analytical techniques related to water quality investigation and process optimization;

## Education

---

2002.09-2007.07 Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences (CAS); Doctor of Philosophy in Environmental Science and Engineering (2007)(Including Master)

1996.09-2000.07 Nanchang HangKong University (NCHU); Bachelor, Environmental Engineering; (2000)

## Work Experience

2012.8- present, Associate Professor, College of Environmental Science and Engineering, Donghua University

2007.7-2012.7, Assistant and Associate Professor, Institute of Urban Environment (IUE), Chinese Academy of Sciences (CAS)

**Cooperation (主要是对境外国外研究单位合作 ; 对企业的合作等):** Prof. WEI has a long and persistent cooperation relationship with the University of South Australia (UniSA) and Moi University, and have co-published a

---

**considerable number of papers with UNiSA and Moi University; He is also an examiner of Master thesis for University of South Australia (UNiSA). Now Prof. WEI is the Chinese Director of the Confucius Institute at Moi University.**

### **Courses Taught (区分授课语言方式)**

English taught(全英): Water Chemistry and Treatment

Bilingual course (双语): Environmental Aquatic Chemistry

Chinese taught(中文): Indoor Environment and Human Health; Wastewater Treatment and Control

### **Selected Publications (10 篇以内)**

---

**Qunshan Wei\***, Xiaojing Liu, Yanxia Zhang, Kai Zhang, Zheng Li, Zhemin Shen,

Christopher W.K. Chow. Effect of tannic acid on the dewaterability of dredged sediment and the conditioning mechanism [J]. **Journal of Environmental Chemical Engineering**, 2021, 9(1): 1-9 (ID number: 104899) .

Felix Mcyotto, **Qunshan Wei\***, Daniel K. Macharia, Manhong Huang, Chensi Shen, Christopher W.K. Chow. **The Effect of Dye Structure on Color Removal Efficiency by Coagulation, Chemical Engineering Journal, 2021 (405) 126674: 1-13. (IF=17)**

Weichao Zhang, **Qunshan Wei\***, Jiuhua Xiao, Yanbiao Liu, Changzhou Yan, Jianshe Liu, Wolfgang Sand, Christopher W. K. Chow. The key factors and removal mechanisms of sulfadimethoxazole and oxytetracycline by coagulation. **Environmental Science and Pollution Research** (2020) 27:16167–16176.

---

Lipeng Tang, Feng Xiao, **Qunshan Wei\***, Yanbiao Liu, Yubin Zou, Jianshe Liu, Wolfgang Sand and Christopher Chow. Removal of active dyes by ultrafiltration membrane pre-deposited with a PSFM coagulant: Performance and mechanism. **Chemosphere**, 2019, 223 (5): 204-210

Xin Huang, Qiang Lu, Haotian Hao, **QunshanWei**, Baoyou Shi, Jianwei Yu, Chunmiao Wang, YanWang. Evaluation of the treatability of various odor compounds by powdered activated carbon. **Water Research**, 2019, 156 (6): 414-424.

Yaoyin Lou, Zhi-Long Ye, Shaohua Chen, **Qunshan Wei**, Jianqiao Zhang, XinYe. Influences of dissolved organic matters on tetracyclines transport in the process of struvite recovery from swine wastewater. **Water Research**, 2018, 134 (5): 311-326.

**Qunshan Wei**, Changzhou Yan\*, Zhuanxi Luo, Xian Zhang, Qiujin Xu, Christopher W. K. Chow. Application of a New Combined Fractionation Technique (CFT) to Detect Fluorophores in Size-Fractionated Hydrophobic Acid of DOM as Indicators of Urban Pollution. **Science of the Total Environment**, 2012, 431: 293–298 (SCI, IF 3.3).

## **Funding & Projects**

---

- Effect of dissolved organic matter (DOM) fractions on the behavior and fate of typical antibiotics in aquatic environment, 2013.1-2016.12, Sponsor: National Natural Science Foundation of China (NSFC)
- Characterization of contaminants in urban stormwater run-off and their treatment, 2007.10-2010.3, Sponsor: Knowledge Innovation Program of the Chinese Academy of Sciences (KIP-CAS)
- Fractionation of dissolved organic matter in drinking water and its relationships to typical pollution sources, 2009.1-2011.12, Sponsor: National Natural Science Foundation of China (NSFC)

---

## **Conference & Sessions (会议、研讨会、报告等)**

---

W-C. Zhang, **Q-S. Wei\***, J. You, J-H. Xiao, J-S. Liu\*, C-Z. Yan. The effect of alkalinity and turbidity on the removal of OTC and SMZ by coagulation. 3rd Water Research Conference, 11-14 January 2015, Shenzhen. (IWA International Conference)

**Wei Qunshan**, Yan Changzhou, Luo Zhuanxi. Distribution and variation of typical contaminant species in short-term storm runoff from different urban land surfaces; proceedings of the 2011 7th International Conference on Intelligent Sensors, Sensor Networks and Information Processing, ISSNIP 2011, December 6, 2011 - December 9, 2011, Adelaide, SA, Australia, F, 2011 [C]. IEEE Computer Society. (会议)

Zhu Ge-Fu, Wu Peng, **Wei Qun-Shan**, et al. Biohydrogen production from purified terephthalic acid (PTA) processing wastewater by anaerobic fermentation using mixed microbial communities, Langford Lane, Kidlington, Oxford, OX5 1GB, United Kingdom, F, 2010 [C]. Elsevier Ltd.

## **Selected Honors and Awards**

**“ Special Contribution Award” granted by Australian government and AWQC 2008;**

**“The Excellent Teacher for Oversea Students” in Donghua University 2020**

---