

Liping LI Lisa (李立平)

PhD

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Education Background

- 2013.9 -2018.1 School: The Hong Kong University of Science and Technology (HKUST)
Degree: PhD
Major: Environmental Engineering
- 2010.9-2013.7 School: Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences (CAS)
Degree: Master
Major: Environmental Science
- 2006.9-2010.7 School: Ocean University of China
Degree: Bachelor
Major: Environmental Science

Research Interests

- Water treatment
- Advanced Oxidation Processes (AOPs)
- Organic emerging micro-pollutants
- Degradation kinetics
- Human health
- Biological concerns (e.g. genotoxicity, estrogenic activity, anti-estrogenic activity, etc.)

Publications

- 1 **Liping Li**, Joseph K.C. Kwan, King Lun Yeung (2018), An investigation of the transformation, kinetics and bioactivity of ozone treatment of DEET in water, *Chemical Engineering Journal* (Under review). IF=6.216
- 2 **Liping Li**, Joseph K.C. Kwan, King Lun Yeung (2018), Direct photolysis of diclofenac under simulated sunlight: bioactivity and identification of photoproducts, To be submitted.
- 3 **Liping Li**, Dongbin Wei*, Guohua Wei, Yuguo Du (2017), Product identification and the mechanisms involved in the transformation of cefazolin by birnessite (δ -MnO₂), *Chemical Engineering Journal*, 320: 116-123. DOI: 10.1016/j.cej.2017.03.021. IF=6.216
- 4 **Liping Li**, Dongbin Wei*, Guohua Wei, Yuguo Du (2016), Oxidation of cefazolin by potassium permanganate: Transformation products and plausible pathways, *Chemosphere*, 149: 279-285. DOI: 10.1016/j.chemosphere.2016.01.117. IF=4.208
- 5 Ming Xiao, Dongbin Wei*, **Liping Li**, Qi Liu, Huimin Zhao, Yuguo Du (2014), Formation pathways of brominated products from benzophenone-4 chlorination in the presence of bromide ions, *Journal of Environmental Sciences*, 26: 2387-2396. DOI: 10.1016/j.jes.2014.03.001. IF=2.937
- 6 **Liping Li**, Dongbin Wei*, Guohua Wei, Yuguo Du (2013), Transformation of cefazolin during chlorination process: Products, mechanism and genotoxicity assessment, *Journal of Hazardous Materials*, 262: 48-54. DOI: 10.1016/j.jhazmat.2013.08.029. IF=6.065

Professional Skills

- ACQUITY UPLC equipped with a diode-array UV-Vis detector 2013-2017
- AB SCEIX TripleTOF™ 4600 mass spectrometer 2016-2017
- Bruker micrOTOF QII mass spectrometer 2012-2013
- Microtox® assay 2014-2017
- Yeast Estrogenic Screen 2014-2017
- Yeast Anti-estrogenic Screen 2014-2017
- SOS/umu genotoxicity test 2014-2017

Honors & Awards

- 2014-2017 HKJEBN Scholarship Award (HK\$ 720,000 from 2014 to 2017)
- 2011-2013 Postgraduate Scholarship of Chinese Academy of Sciences (CAS)
- 2010-2011 Merit Student Award of Chinese Academy of Sciences
- 2006-2009 Undergraduate Scholarship for Excellent students of Ocean University of China
- 2006-2007 Excellent Student Award of Ocean University of China

International Conference

- 4th Global Young Scientists Summit @one-north (GYSS), Jan 17-22, 2016, Singapore. Invited Young Scholar Attendee.
- **Liping Li** and King Lun Yeung, “Biological risk assessment of EDCs degradation by ozone”, 249th ACS National Meeting, March 22-26, 2015, Denver, Colorado, U.S.A. (*Oral Presentation*)

Work experience (Part-time)

- Feb-Apr, 2017 Chemist (internship) HK Elements Limited
- Sep, 2015-Aug, 2016 Teaching Assistant Coordinator (TAC) Division of Environment
- Feb, 2014-Aug, 2015 Teaching Assistant (TA) Division of Environment

Additional Information

Personality: highly motivated, adaptable, cooperative, responsible

Avocation: table tennis, card games