

# LING JIN

Research Assistant Professor

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## ***Education***

PhD, Environmental Toxicology, The University of Queensland, 2015

MPhil, Environmental Sciences, City University of Hong Kong, 2009

BSc (1<sup>st</sup> Hon), Environmental Science & Management, City University of Hong Kong, 2007

## ***Professional Experience***

2019.07 - present	Research Assistant Professor	The Hong Kong Polytechnic University
2015.04 – 2019.06	Research Associate/Postdoctoral Fellow/Research Fellow	The Hong Kong Polytechnic University
2009.09 – 2011.01	Research Assistant	City University of Hong Kong
2008.02 – 2008.05	Visiting Student	National Institute of Advanced Industrial Science and Technology, Japan
2007.06 – 2007.08	Research Intern	University of California, Davis
2006.05 – 2006.07	Conservation Volunteer	Conservation Volunteers Australia

## ***Statement of Expertise***

Ling Jin has been working actively in the inter-disciplinary research fields between environmental chemistry, toxicology, and microbiology. Jin's ongoing research includes air pollution and human health, airborne and foodborne transmission of antimicrobial resistance and pathogens, and pollution-induced immunosuppression in Chinese White Dolphins. He has published 39 peer-reviewed articles in leading journals and 5 book chapters (Web of Science: citation of 1308, H-index of 18; Google Scholar: citation of 1769, H-index of 22). His recent work on toxicity of air pollution attracted the attention from *Nature*, where he contributed an invited comment on global disparities of air-pollution health effects. The study co-first authored by Jin on airborne transmission of antibiotic resistance genes was recognized as one of the best papers in *Environmental Science and Technology Letters* in 2018. Jin was an Editorial Board Member of *Environmental Toxicology and Chemistry*, a flagship journal under the Society of Environmental Toxicology and Chemistry (SETAC). He serves as a Guest Editor for *Environmental Science and Technology* for the special issue on urban air pollution and human health.

## ***Funding***

Secured funding of ~HK\$3.1 M, including major competitive schemes such as Research Grants Council Early Career Scheme and National Natural Science Foundation of China Youth Fund.

1. Understanding and managing the threats of toxic algae to the Chinese White Dolphin and Finless Porpoise in Hong Kong's southern and western waters (HKD 1,120,500, 2021-2024, Hong Kong LNG Terminal Limited Marine Conservation Enhancement Fund, PI)
2. Airborne transmission of multi-resistant plasmids via urban fine particulate matter (HKD 250,000, 2021-2022, PolyU Start-up Fund for Research Assistant Professor, PI)
3. Contribution of selected toxic components and associated sources to differential mixture effects of city-specific PM<sub>2.5</sub> on human lung cells: How much of the iceberg have we seen? (HKD 579,972, 2021-2023, Research Grants Council of Hong Kong Early Career Scheme, PI)
4. *In vitro* toxic potencies of city-specific fine particulate matter: Contribution of targeted toxic components and their emission sources (RMB 240,000, 2021-2023, National Natural Science Foundation Youth Fund, PI)
5. Dissecting the toxicity drivers of pollutant mixture effects in marine mammals of the south China coast using species-specific cell lines (HKD 600,000, 2021-2022, Hong Kong Branch of Southern Marine Science and Engineering Guangdong Laboratory (Guangzhou) Open Collaborative Research Fund, PI)
6. Joint toxicity mechanisms and contributions of key bioactive components in airborne fine particulate matters (PM<sub>2.5</sub>) from typical urban areas of China (RMB 15,000,000, 2021-2022, National Natural Science Foundation of China Major Research Plan Integrated Project, Co-PI)
7. *In vitro* toxicological characterisation of ambient air pollution using air-liquid interface exposure systems (HKD 89,400, 2021-2022, Research Grants Council of Hong Kong Germany/Hong Kong Joint Research Scheme, Co-I)
8. A novel assessment platform to delineate transmission of antimicrobial resistance from seafood-related marine ecosystems to coastal population (HKD 1,100,000, 2020-2022, Hong Kong Branch of Guangdong Southern Marine Science and Engineering Laboratory Open Collaborative Research Fund, Co-I)
9. Zoonotic transmission of antimicrobial resistance from seafood-related marine ecosystems to the coastal population in the Greater Bay Area (HKD 2,100,000, 2020-2023, State Key Laboratory of Marine Pollution Collaborative Research Fund, Co-I)
10. Guangdong-Hong Kong-Macau Joint Laboratory of Environmental Pollution Processes and Control (RMB 3,000,000, 2020-2022, Department of Science and Technology of Guangdong Province Guangdong-Hong Kong-Macau Joint Laboratory Scheme, Co-I)
11. Key technologies and applications for safe use of heavy metal-contaminated farmland (RMB 600,000, 2020-2022, Department of Science and Technology of Guangdong Province Key-Area Research and Development Program, Co-I)
12. Identifying the mixture effects and major toxicity drivers of ambient fine particulate matter: A comparative study of the Yangtze River Delta and Pearl River Delta regions (RMB 3,468,000, 2016-2019, National Natural Science Foundation of China Major Research Plan Key Project, Co-I)
13. Novel tools to assess combined effect of bioaccumulative chemicals in marine wildlife (USD 15,000, 2014-2015, Society of Environmental Toxicology and Chemistry / Procter & Gamble Doctoral Fellowship in Environmental Science, Student PI)
14. Development of novel screening tools to assess chemical-induced immunotoxicity in sea turtles (AUD 40,000, 2013-2015, Funded by Sea World Research and Rescue Foundation, Inc., Australia, Student PI)

## ***Publications (\*corresponding author; #co-first author)***

Total citations of 1769, H-index of 22 (Google Scholar); total citations of 1308, H-index of 18 (Web of Science);

### ***Peer-reviewed journal articles***

1. He TT<sup>#</sup>, **Jin L<sup>#</sup>**, Xie JW, Yue SY, Fu PQ, Li XD\* Intracellular and extracellular antibiotic resistance genes in airborne PM<sub>2.5</sub> for respiratory exposure in urban areas. *Environ. Sci. Technol. Lett.* 2021. DOI: 10.1021/acs.estlett.0c00974. (**Impact factor: 7.678; JCR Q1; Times cited: 0**)
2. Li JY, Zhang L, Wang Q, Xu J, Yin J, Chen Y, Gong Y, Kelly BC, **Jin L**. Applicability of equilibrium sampling in informing tissue residues and dietary risks of legacy and current-use organic chemicals in aquaculture. *Environ. Toxicol. Chem.* 2021, 40, 79-87. (**Impact factor: 3.152; JCR Q2; Times cited: 0**)
3. Zhao Z, Luo XS, Jing Y, Li H, Pang Y, Wu L, Chen Q, **Jin L**. *In vitro* assessments of bioaccessibility and bioavailability of PM<sub>2.5</sub> trace elements in respiratory and digestive systems and their oxidative potential. *J. Hazard Mater.* 2020. DOI: 10.1016/j.jhazmat.2020.124638. (**Impact factor: 9.038; JCR Q1; Times cited: 0**)
4. Wang X, Yu N, Yang J, **Jin L**, Guo H, Shi W, Zhang X, Yang L, Yu H, Wei S\*. Suspect and non-target screening of pesticides and pharmaceuticals transformation products in wastewater using QTOF-MS. *Environ. Int.* 2020, 137, 105599. (**Impact factor: 7.577; JCR Q1; Times cited: 5**)
5. Xie JW, **Jin L**, Cui JL, Luo XS, Li J, Zhang G, Li XD\*. Health risk-oriented source apportionment of PM<sub>2.5</sub>-associated trace metals. *Environ. Pollut.* 2020, 262, 114655. (**Impact factor: 6.793; JCR Q1; Times cited: 2**)
6. Wang Q, Chu L, Peng F, Li JY\*, Chen H, **Jin L**. Contribution of aquatic products consumption to total human exposure to PAHs in Eastern China: The source matters. *Environ. Pollut.* 2020, 266, 115339. (**Impact factor: 6.793; JCR Q1; Times cited: 0**)
7. Sun JT, **Jin L**, He TT, Wei Z, Liu X, Zhu LZ\*, Li XD\*. 2020. Antibiotic resistance genes (ARGs) in agricultural soils from the Yangtze River Delta, China. *Sci. Total Environ.* 2020, 740, 140001. (**Impact factor: 6.551; JCR Q1; Times cited: 1**)
8. Chen Y, Yu W, Zheng R, Li JY\*, Zhang L, Wang Q, Yin J, **Jin L**. Magnetic activated carbon (MAC) mitigates contaminant bioavailability in farm pond sediment and dietary risks in aquaculture products. *Sci. Total Environ.* 2020, 736, 139185. (**Impact factor: 6.551; JCR Q1; Times cited: 3**)
9. Huang W, Pang Y, Luo XS\*, Chen Q, Wu L, Tang M, Hong Y, Chen J, **Jin L**. The cytotoxicity and genotoxicity of PM<sub>2.5</sub> during a snowfall event in different functional areas of a megacity. *Sci. Total Environ.* 2020, 741, 140267. (**Impact factor: 6.551; JCR Q1; Times cited: 1**)
10. Li XD\*, **Jin L**, Kan HD. Air pollution: a global problem needs local fixes. *Nature* 2019, 570, 437-439. (**Invited comment; Impact factor: 42.779; JCR Q1; Times cited: 46**)
11. **Jin L**, Xie JW, Wong CKC, Chan SKY, Abbaszade G, Schnelle-Kreis J, Zimmermann R, Li J, Zhang G, Fu PQ, Li XD\*. Contributions of city-specific PM<sub>2.5</sub> to differential in vitro oxidative stress and toxicity implications between Beijing and Guangzhou of China. *Environ. Sci. Technol.* 2019, 53: 2881-2891. (**Highlighted article; Impact factor: 7.864; JCR Q1; Times cited: 29**)

12. Xie JW, **Jin L**, He TT, Chen BW, Luo XS, Li J, Fu PQ, Feng BH, Huang W, Li XD\*. Bacteria and antibiotic resistance genes (ARGs) in PM<sub>2.5</sub> across China: Implications for human exposure. *Environ. Sci. Technol.* 2019, 53: 963-972. (**Impact factor: 7.864; JCR Q1; Times cited: 28**)
13. Luo XS\*, Bing HJ\*, Luo Z, Wang Y, **Jin L**. Impacts of atmospheric particulate matter pollution on environmental biogeochemistry of trace metals in soil-plant system: A review. *Environ. Pollut.* 2019, 25, 113138. (**Impact factor: 6.793; JCR Q1; Times cited: 22**)
14. Li JY, Yu W, Yin J, Chen Y, Wang Q, **Jin L**\*. Reduced bioavailability and ecological risks of polycyclic aromatic hydrocarbons in Yangshan port of East China Sea: Remediation effectiveness in the transition from construction to operation. *Sci. Total Environ.* 2019, 687, 679–686. (**Impact factor: 6.551; JCR Q1; Times cited: 9**)
15. Li JY, He Q, Li JL, Chen YQ, Yin J, **Jin L**\*, Wang Q\*. Aquaculture contributes a higher share to children’s daily intake of PAHs than to adults’ in Eastern China. *Environ. Toxicol. Chem.* 2019, DOI:10.1002/etc.4389. (**Featured article; Impact factor: 3.152; JCR Q2; Times cited: 3**)
16. Wang Q, Peng F, Chen Y, **Jin L**, Lin J, Zhao X, Yin J, Li JY\*. Heavy metals and PAHs in an open fishing area of the East China Sea: Multimedia distribution, source diagnosis, and dietary risk assessment. *Environ. Sci. Pollut. Res.* 2019, 26, 21140–21150. (**Impact factor: 3.056; JCR Q2; Times cited: 7**)
17. Chen Y, Yu W, **Jin L**, Wang Q, Yin J, Lin J, Li JY\*. Stabilization of hydrophobic organic contaminants in sediments by natural zeolites: bioavailability-based assessment of efficacy using equilibrium passive sampling. *J. Soil. Sediment.* 2019, 19, 3898–3907. (**Impact factor: 2.763; JCR Q2; Times cited: 3**)
18. Chen Q, Luo XS, Chen Y, Zhao Z, Hong Y, Pang Y, Huang W, Wang Y, **Jin L**. Seasonally varied cytotoxicity of organic components in PM<sub>2.5</sub> from urban and industrial areas of a Chinese megacity. *Chemosphere* 2019, 230, 424–431. (**Impact factor: 5.778; JCR Q1; Times cited: 11**)
19. Xie JW<sup>#</sup>, **Jin L**<sup>#</sup>, Luo XS, Zhao Z, Li XD\*. Seasonal disparities of airborne bacteria and associated antibiotic resistance genes in PM<sub>2.5</sub> between urban and rural sites. *Environ. Sci. Technol. Lett.* 2018, 5: 74–79. (**Best Paper Award in 2018; Impact factor: 7.678; JCR Q1; Times cited: 54**)
20. Luo XS\*, Zhao Z, Xie JW, Luo J, Chen Y, Li HB, **Jin L**. Pulmonary bioaccessibility of trace metals in PM<sub>2.5</sub> from different megacities simulated by lung fluid extraction and DGT method. *Chemosphere* 2018, 218: 915-921. (**Impact factor: 5.778; JCR Q1; Times cited: 20**)
21. Chen Y, Luo XS\*, Zhao Z, Chen Q, Wu D, Sun X, Wu LC, **Jin L**. Summer-winter differences of PM<sub>2.5</sub> cytotoxicity to human epithelial cells (A549) and the roles of transition metals. *Ecotoxicol. Environ. Saf.* 2018, 165:505-509. (**Impact factor: 4.872; JCR Q1; Times cited: 28**)
22. Yu N<sup>#</sup>, Guo H<sup>#</sup>, Yang J, **Jin L**, Wang X, Shi W, Zhang X, Yu H, Wei S\*. Non-target and suspect screening of per- and polyfluoroalkyl substances in airborne particulate matter in China. *Environ. Sci. Technol.* 2018, 52: 8205–8214. (**Impact factor: 7.678; JCR Q1; Times cited: 48**)
23. Li JY, Yang F, **Jin L**, Wang Q, Yin J, He PM, Chen Y\*. Safety and quality of the green tide algal species *Ulva prolifera* for option of human consumption: A contamination and nutrition study. *Chemosphere* 2018, 210: 1021-1028. (**Impact factor: 5.778; JCR Q1; Times cited: )**

24. Li JY, Shi WX, Li ZH, Chen YQ, Shao L, **Jin L\***. Equilibrium sampling informs seafood tissue residue and remediation measures for pyrethroid insecticides in mariculture. *Sci. Total Environ.* 2018, 616-617: 639-646. **(Impact factor: 6.551; JCR Q1; Times cited: 7)**
25. Ming LL, **Jin L**, Li J, Fu PQ, Yang WY, Liu D, Zhang G, Wang ZF, Li XD\*. PM<sub>2.5</sub> in the Yangtze River Delta, China: Chemical compositions, seasonal variations, and regional pollution events. *Environ. Pollut.* 2017, 223: 200-212. **(Impact factor: 6.793; JCR Q1; Times cited: 155)**
26. **Jin L**, Luo XS, Fu PQ, Li XD\*. Airborne particulate matter pollution in urban China: A chemical mixture perspective from sources to impacts. *Natl. Sci. Rev.* 2017, 4: 593-610. **(Impact factor: 16.693; JCR Q1; Times cited: 38)**
27. Li JY, Su L, Wei FH, Yang JH, **Jin L\***. Zhang XW\*. Bioavailability-based assessment of aryl hydrocarbon-receptor mediated activity in Lake Tai Basin from Eastern China. *Sci. Total Environ.* 2016, 22: 12355-12365. **(Impact factor: 6.551; JCR Q1; Times cited: 17)**
28. Zhu X, **Jin L**, Yang J, Wu J, Zhang B, Zhang XW, Yu NY\*, Wei S\*, Wu J, Yu HX. Perfluoroalkyl acids in the water cycle from a freshwater basin to coastal waters in Eastern China. *Chemosphere* 2016, 168: 390-398. **(Impact factor: 5.778; JCR Q1; Times cited: 9)**
29. Yu N, Wei S\*, Li M, Yang JP, Li K, **Jin L**, Xie Y, Giesy JP, Zhang XW, Yu HX\*. Effects of perfluorooctanoic acid on metabolic profiles in brain and liver of mouse revealed by a high-throughput targeted metabolomics approach. *Sci. Rep.* 2016, 6: 23963. **(Impact factor: 3.998; JCR Q1; Times cited: 45)**
30. Li VWT, Tsui MMP, Chen X, Hui MNY, **Jin L**, Lam RHW, Yu RMK, Murphy MB, Cheng J, Lam PKS, Cheng SH\*. Effects of 4-methylbenzylidene camphor (4-MBC) on neuronal and muscular development in zebrafish (*Danio rerio*) embryos. *Environ. Sci. Pollut. Res.* 2016, 23: 8275-8285. **(Impact factor: 3.056; JCR Q2; Times cited: 25)**
31. **Jin L**, Escher BI\*, Limpus CJ, Gaus C. Coupling passive sampling and in vitro bioassays to screen combined effect of bioaccumulative chemicals in blood of marine turtles. *Chemosphere* 2015, 138: 292-299. **(Impact factor: 5.778; JCR Q1; Times cited: 19)**
32. **Jin L**, Gaus C, Escher BI\*. Adaptive stress response pathways induced by environmental mixtures of bioaccumulative chemicals in dugongs. *Environ. Sci. Technol.* 2015, 49: 6963-6973. **(Impact factor: 7.864; JCR Q1; Times cited: 23)**
33. Li JY, Cui Y, Su L, Chen YQ, **Jin L\***. Polycyclic aromatic hydrocarbons in the largest deepwater port of East China Sea: impact of port construction and operation. *Environ. Sci. Pollut. Res.* 2015, 22: 12355-12365. **(Impact factor: 3.056; JCR Q2; Times cited: 22)**
34. Li J, Yu N, Zhang B, **Jin L**, Li M, Hu M, Zhang X, Wei S\*, Yu HX\*. Occurrence of organophosphate flame retardants in drinking water from China. *Water Res.* 2014, 54: 53-61. **(Impact factor: 9.130; JCR Q1; Times cited: 187)**
35. Li JY\*, Tang JYM, **Jin L**, Escher BI. Understanding bioavailability and toxicity of sediment-associated contaminants by combining passive sampling with in vitro bioassays in an urban river catchment. *Environ. Toxicol. Chem.* 2013, 32: 2888-2896. **(Impact factor: 3.152; JCR Q2; Times cited: 40)**
36. **Jin L\***, Gaus C, van Mourik L, Escher BI. Applicability of passive sampling to bioanalytical screening of bioaccumulative chemicals in marine wildlife. *Environ. Sci. Technol.* 2013, 47: 7982-7988. **(Impact factor: 7.864; JCR Q1; Times cited: 39)**
37. Leung HW, **Jin L**, Wei S, Tsui MMP, Zhou BS, Jiao L, Cheung PK, Chun YK, Murphy MB\*, Lam PKS\*. Pharmaceuticals in tap water: Human health risk assessment and proposed monitoring framework in China. *Environ. Health Perspect.* 2013, 121: 839-846. **(Impact factor: 8.341; JCR Q1; Times cited: 161)**



38. Chan WH, Mak YL, Wu JJ, **Jin L**, Sit WH, Lam JCW, de Mitcheson S, Chan LL, Lam PKS, Murphy MB\*. Spatial distribution of ciguateric fish in Republic of Kiribati. *Chemosphere* 2011, 84: 117-123. (**Impact factor: 5.778; JCR Q1; Times cited: 47**)
39. Mak YL, Taniyasu S, Yeung LWY, Lu G, **Jin L**, Yang Y, Lam PKS\*, Kannan K, Yamashita N\*. Perfluorinated compounds in tap water from China and several other countries. *Environ. Sci. Technol.* 2009, 43: 4824-4829. (**Impact factor: 7.864; JCR Q1; Times cited: 268**)

### ***Book chapters***

1. **Jin L**, Jiang GB, Li XD\*. 2020. Transforming Environmental Chemistry and Toxicology to Meet the Anthropocene Sustainability Challenges Beyond *Silent Spring*. (eds, GB Jiang, XD Li) A New Paradigm for Environmental Chemistry and Toxicology, Springer Nature, Singapore. pp 263-276.
2. **Jin L**, Gaus C, Escher BI\*. **2015**. Bioanalytical approaches to understanding the toxicological implications of mixtures of persistent organic pollutants in marine wildlife. (ed., E.Y. Zeng) Persistent Organic Pollutants (POPs): Analytical Techniques, Environmental Fate and Biological Effects. Elsevier, UK. pp 650.
3. **Jin L**, Murphy MB, Lam JCW, Lam PKS\*, **2011**, Use of bioassays in Environmental Monitoring (eds, CX Wang, LZ Zhu, GB Jiang) Environmental Chemistry, Science Press, Beijing, China. (In Chinese)
4. **Jin L**, Lam JCW, Murphy MB, Lam PKS\*. **2011**. Temporal trends of polybrominated diphenyl ethers and hexabromocyclododecanes in marine mammals with special reference to Hong Kong, South China. (eds., B.G. Loganathan and P.K.S. Lam) Global Contamination Trends of Persistent Organic Chemicals. Taylor & Francis, Washington DC.
5. Murphy MB, **Jin L**, Lam PKS\*. **2010**. Temporal trends of organochlorines and trace elements in marine mammals from Hong Kong. (eds., T. Isobe, K. Nomiyama, A. Subramanian and S. Tanabe) Interdisciplinary studies on environmental Chemistry – Environmental Specimen Bank. TERRAPUB, Japan.

### ***Technical reports***

1. Gaus C, Grant S, **Jin NL**, Goot K, Chen L, Villa AC, Neugebauer F, Qi L, Limpus C. **2012**. Haematology, blood chemistry and environmental contaminants in green turtle blood from the Gladstone Port, Report to: Gladstone Ports Corporation Limited and Department of Environment and Resource Management.
2. Poulsen A, Leusch F, Goodwin M, Tang J, Maylin E, **Jin L**, Escher BI. **2011**. Development of bio-analytical techniques to assess the potential human health impacts of recycled water. Part A: Literature review of in vitro bioassays for assessing adverse effects of trace organic pollutants in water. Report number: WateReuse-10-07, Affiliation: WateReuse Research Foundation.

### ***Teaching & Supervision Experience***

**Subject Lecturer – The Hong Kong Polytechnic University** (average SFQ score of 4.5 out of 5 from 2019-2021)

Undergraduate

1. Environmental Impact Assessment - Theory and Practice (CSE40462)

Postgraduate

2. Environmental Impact Assessment (CSE508)
3. Environmental Management Systems (CSE539)

### **Supervision – The Hong Kong Polytechnic University**

Supervised 1 Postdoctoral Fellow, 2 Research Assistants, 4 MSc projects, 2 University Research and Innovation Scheme undergraduate students, 13 undergraduate final year projects, 5 undergraduate student assistants, and 6 summer interns

### ***Honours & Awards***

- *Environmental Science and Technology Letters* Best Paper Award, 2018
- The Hong Kong Polytechnic University Postdoctoral Fellowship, 2015-2017
- Society of Environmental Toxicology and Chemistry/Procter & Gamble Fellowship, 2014
- SETAC Australasia Student Travel Award, 2013
- Prime Minister's Australia Asia Endeavour Award, Australian Government, 2011-2014
- Dean's List, City University of Hong Kong, 2007
- Fang Brothers Whole Person Development Scholarship, City University of Hong Kong, 2007

### ***Editorial Board Membership***

- Guest Editor, *Environmental Science and Technology*, 2021
- Editorial Board Member, *Environmental Toxicology and Chemistry*, 2018 – 2020

### ***Conference & Symposium Organisation***

1. Organising committee and session chair, The 1st International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, 12-14 July 2021

### ***Presentations***

#### ***Invited Talks & Lectures***

1. The 1st International Symposium on Marine Science and Engineering for Young Scientists and Postgraduates, 12 July 2021  
*Advancing bioanalytical approaches to understanding health impacts of chemical mixtures in marine wildlife*
2. 2021 International Cetacean Symposium, 11 June 2021  
*Emerging approaches to understanding health impacts of pollutant cocktails in marine mammals*
3. Shanghai Ocean University, 10 April 2015  
*Hydrophobic Organic Contaminants: Application of Passive Sampling and Assessment of Mixture Toxicity.*

### ***Selected Conference Presentations***

1. National Conference on Environmental Chemistry, Tianjin, China, August 2019  
*Contribution of metals, PAHs and endotoxins to PM<sub>2.5</sub>-induced oxidative stress [Oral]*

2. International High-Level Forum on Toxicology and Health of Air Pollution, Beijing, China, October 2018  
*Airborne bacteria and associated antibiotic resistance genes (ARGs) in PM<sub>2.5</sub> across China* [Poster]
3. National Conference on Environmental Chemistry, Hangzhou, China, October 2017  
*Contribution of toxic components to PM<sub>2.5</sub>-induced oxidative stress in human lung cells* [Oral]
4. Gordon Research Conference on Marine Molecular Ecology, Hong Kong, August 2015  
*Molecular approaches to assessing the biological cycling and mixture effects of chemical stressors in the marine ecosystem* [Poster]
5. International Conference on Environmental Specimen Banks, Shanghai, China, October 2013  
*Novel tools to facilitate effect screening of bioaccumulative chemicals in marine wildlife archives* [Oral]
6. SETAC Australasia, Melbourne, Australia, October 2013  
*Toxic potential of chemical cocktails in dugongs: A decade-long story* [Oral]
7. International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN), Cairns, Australia, August 2012  
*Testing the applicability of passive sampling to chemical exposure and effect screening in marine wildlife* [Oral]
8. SETAC Asia Pacific Annual Meeting, Guangzhou, China, 4–7 June 2010  
*Endocrine-disrupting activity and neurotoxic effect of 4-methylbenzylidene-camphor, a common sunscreen ingredient* [Oral]
9. Copenhagen Workshop on Endocrine Disrupters, Copenhagen, Denmark, May 2009  
*Modulation of adrenocortical hormone production by UV filters in the H295R cell line* [Oral]

### **Journal Review (10)**

*Environmental Science and Technology, Journal of Hazardous Materials, Environmental Pollution, Science of the Total Environment, Chemosphere, RSC Advances, Environmental Toxicology and Chemistry, Journal of Environmental Sciences, Regional Studies in Marine Science, Aerosol and Air Quality Research, Environmental Monitoring and Assessment, Environmental Science and Pollution Research*

### **Grant Review (1)**

Czech Science Foundation, 2015

### **Professional Affiliation**

Member, American Chemical Society (ACS)

Member, International Society of Microbial Ecology (ISME)

Member, Society of Environmental Toxicology and Chemistry (SETAC)

Member, State Key Laboratory of Marine Pollution, City University of Hong Kong

Member, Hong Kong Branch of Southern Laboratory of Ocean Science and Engineering Guangdong Laboratory (Guangzhou), The Hong Kong University of Science and Technology