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First Name: **Guibin** Last Name: **Jiang**

Title: **Professor**

Institution: **Research Center for Eco-Environmental Sciences, CAS.**

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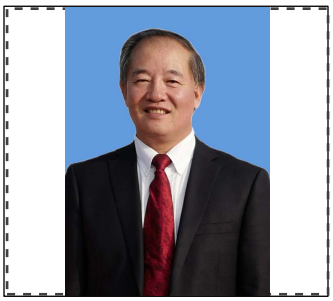

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Education:

PhD: MS: BS:

General Areas of Expertise:

His research is mainly focused on Environmental Chemistry and Toxicology. His methodical study resulted in significant achievements on analytical development and environmental characterization of persistent organic pollutants (POPs), organometallic compounds and nanomaterials, which contributed to the improvement and internationalization of these scientific fields in China. Prof. Jiang was one of the pioneers in the research of emerging environmental contaminants in China and has discovered 60 new POPs from Chinese environment. He has also contributed to the implementation of the Stockholm Convention on POPs in China. Recent 10 years, Dr.Jiang's lab spent more of their efforts on environmental nano applications, impacts, and nanotoxicology. In recognition of his outstanding research on the analytical methodology, distribution, accumulation and toxicity of POPs, he was honored with the prestigious Chang Jiang Scholars Achievement Award in 2007, Agilent "Thought Leader Award" in 2013, Outstanding Science and Technology Achievement Prize of CAS in 2013, two times of the National Natural Science Awards (2003, 2011).

Short Bio:

Professor Jiang Gui-bin is an Academician of the Chinese Academy of Sciences and the fellow of the World Academy of Sciences. He received his BA degree in 1981 from Shan Dong University, Department of Chemistry, a Master degree in 1987 from Institute of Environmental Chemistry, Chinese Academy of Sciences (CAS), and Ph.D in environmental chemistry from the Research Center for Eco-Environmental Sciences (RCEES, CAS). After a nearly four years of visiting scholar and postdoc research in National Research Council of Canada and University of Antwerp, Belgium, he returned to the RCEES. He is now the Director-general of the Research Center for Eco-Environmental Sciences, Chinses Academy of Sciences, Dean of the College of Resources and Environment, University of Chinese Academy of Sciences, and Director of the State Key Laboratory of Environmental Chemistry and Ecotoxicology. He is the Associate Editor of ES&T and the founder editor-in-chief of an Elsevier new Journal of NanoImpact.

Five Representative Publications:

1. Dawei Lu, Qian Liu*, Tuoya Zhang, Yong Cai, Yongguang Yin, Guibin Jiang*. Stable silver isotope fractionation in the natural transformation process of silver nanoparticles. Nature Nanotechnology, 2016, 11, 682-686.
2. Yongguang Yin, Zhiqiang Tan, Ligang Hu, Sujuan Yu, Jingfu Liu*, Guibin Jiang. Isotope tracers to study the environmental fate and bioaccumulation of metal-containing engineered nanoparticles: Techniques and applications. Chemical Reviews, 2017, 117, 4462-4487.
3. Yongguang Yin, Yanbin Li, Chao Tai, Yong Cai*, Guibin Jiang. Fumigant methyl iodide can methylate inorganic mercury species in natural waters. Nature Communications, 2014, 5, 4633-4633.
4. Guangbo Qu, Wei Liu, Yuetao Zhao, Jie Gao, Tian Xia, Jianbo Shi, Ligang Hu, Wenhua Zhou, Jiejun Gao, Huaiyu Wang, Qian Luo, Qunfang Zhou, Sijin Liu, Xuefeng Yu*, Guibin Jiang*. Improved biocompatibility of black phosphorus nanosheets by chemical modification. Angewandte chemie International Edition, 2017, 56, 1-7.
5. Lihong Liu, Bin He, Qian Liu*, Zhaojun Yun, Xueting Yan, Yanmin Long, Guibin Jiang*. Identification and accurate size characterization of nanoparticles in complex media. Angewandte Chemie International Edition, 2014, 53(52), 14476-14479.

FEWSTERN Symposium 2017 Presentation Title and Abstract: