



First Name: Jun Last Name: Bi

Title: Professor

Institution: School of the Environment, Nanjing University

Mailing Address: 163 Xianlin Avenue

City: Nanjing State: Jiangsu Zip Code: 210023

Country: China

Country Code: 86 Phone: (258) 968-1605



PLACE HEADSHOT HERE

Email: jbi@nju.edu.cn

Website:

Education:

PhD: Environmental Geography, Beijing Normal University MS: Environmental Geography, Beijing Normal University BS: Environmental Biology, Nanjing University

General Areas of Expertise:

Environmental Management and Policy, Environmental Risk Management

Short Bio:

Jun Bi received his bachelor and PhD degrees from Nanjing University and Beijing Normal University respectively. He has worked as postdoctoral fellows, research scholars and consultants at Harvard University, Rutgers University, the World Bank, University of Waterloo, and Chinese Academy of Sciences. He is the former Dean of School of the Environment at Nanjing University and Cheung Kong Professor of Ministry of Education. Currently, he is the co-director of State Key Lab of Pollution Control and Resources Reuse. He also served as senior consultants for World Bank, Asian Development Bank, OECD, UNDP, UNEP, IGES, and various Chinese governments. Dr. Jun Bi's main research fields include: Environmental Policy, Environmental Risk Analysis, Environmental Health and Climate Change. He has published over 200 papers in international peer-reviewed and Chinese journals, including Nature Communication, PNAS, EHP, ES&T, Environment International, Global Environmental Change, Energy Policy, and Ecological Economics. His research has won several ministry-level prizes. He actively participated in formulating over ten environmental policies in China. In addition, he holds several key positions for different ministries and national research programs, such as Member of Science and Technology Committee in Environmental and Hydrology Discipline of MOE, National expert of 863 Program and National expert for Water Pollution Control Program. He is also one of the leading authors for National Environmental Science and Technology Development Planning of Ministry of Science and Technology in 12th and 13th FYPs.

Five Representative Publications:

- 1. Haikun Wang\*, Yanxu Zhang, Hongyan Zhao, Xi Lu\*, Yanxia Zhang, Weimo Zhu, Chris P. Nielsen, Xin Li, Qiang Zhang, Jun Bi\* & Michael B. McElroy, 2017, Trade-driven relocation of air pollution and health impacts in China. Nature Communications, DOI: 10.1038/s41467-017-00918-5 [www.nature.com/naturecommunications]
2. Miaomiao Liu, Yining Huang, Zongwei Ma, Zhou Jin, Xingyu Liu, Haikun Wang, Yang Liu, Jimnan Wang, Matti Jantunen, Jun Bi\*, Patrick L Kinney\*, 2017, Spatial and temporal trends in the mortality burden of air pollution in China: 2004-2012. Environment International, 98, 75-81.
3. Kai Chen, Lian Zhou, Xiaodong Chen, Zongwei Ma, Yang Liu, Lei Huang, Jun Bi\*, Patrick L. Kinney\*, 2016, Urbanization level and vulnerability to heat-related mortality in Jiangsu Province, China. Environ Health Perspect 124:1863-1869.
4. Yuanchun Zhou, Huipeng Li, Ke Wang, Jun Bi\*, 2016, China's energy-water nexus: Spillover effects of energy and water policy[J]. Global Environmental Change, 40:92-100.
5. Zongwei Ma, Xuefei Hu, Andrew M. Sayer, Robert C. Levy, Qiang Zhang, Yingang Xue, Shilu Tong, Jun Bi, Lei Huang\*, Yang Liu\*, 2016, Satellite-Based Spatiotemporal Trends in PM2.5 Concentrations: China, 2004-2013. Environmental Health Perspectives, 124: 184-192. DOI: 10.1289/ehp.1409481
6. Huang Lei, Zhou Ying, Han Yuting, Hammit James K, Bi Jun\*, Liu Yang, 2013, Effect of the Fukushima nuclear accident on the risk perception of residents near a nuclear power plant in China. PNAS, 110( 49): 19742-19747.

FEWSTERN Symposium 2017 Presentation Title and Abstract:

Managing Regional Health Risk from FEW Perspectives

Facing the emerging needs of Chinese government for a better environment by year 2035 and 2050, there are strong drives to reduce health risks associated with socioeconomic and environmental developments in China. This paper tries to develop a new framework to portray the existing and potential health risks from food-energy-water nexus perspectives. It is believed that the three pillar components embedded in the regional development will finally produce pressures on both human health and ecosystems via complex and various pathways. By developing an explanatory model, coupled with both qualitative and quantitative evaluation, it will help decision-makers to wisely take potential health risks into account and develop suitable risk management objectives with varying temporal and spatial scales. Taihu Lake watershed is taken as an example to adopt the proposed framework.