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Education

- Ph.D. Epidemiology and Biostatistics, National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention, Beijing, China, 2017
- M.S. Epidemiology and Biostatistics, Southern Medical University, Guangzhou, China, 2013
- B.S. Biostatistics, Southern Medical University, Guangzhou, China, 2010

Experience

- Institute for Environmental and Climate Research, Jinan University
Associate Professor, 2017-present
- National Institute for Health and Medical Research (INSERM), France
Postdoctoral Visitor, 2019-2020
- School of Public Health and Preventive Medicine, Monash University
Visiting Scholar, June-August 2018
- Guangdong Provincial Institute of Biological Products and Materia Medica, Guangdong Provincial Center for Disease Control and Prevention
Statistician, 2013-2014

Research Interests

- Risk assessemnt of air pollution, built environment and climate change on human health
- Statistical computing, machine learning, time series model and distributed lag non-linear models

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

2020

1. **Jun Yang**[#], Maigeng Zhou, Mengmeng Li, Peng Yin, Jianlin Hu, Chunlin Zhang, Hao Wang, Qiyong Liu[#], Boguang Wang[#]. Fine particulate matter constituents and cause-specific mortality in China: A nationwide modelling study. *Environ Int*, 2020, 143: 105927.
2. **Jun Yang**, Maigeng Zhou, Fengying Zhang, et al. Diabetes mortality burden attributable to short-term effect of PM₁₀ in China. *Environ Sci Pollut Res*, 2020, 27:18784-18792.
3. Shaohua Gu, Liang Zhang, Shiqiang Sun, Xiaofeng Wang, Beibei lu, Hangtao Han, **Jun Yang**[#], Aihong Wang. Projections of temperature-related cause-specific mortality under climate change scenarios in a coastal city of China. *Environ Int*, 2020, 143: 105889.
4. Mengmeng Li, Maigeng Zhou, **Jun Yang**[#], et al. Temperature, Temperature Extremes and Cause-specific Respiratory Mortality in China: A Multi-city Time Series Analysis. *Air Quality, Atmosphere & Health*, 2019, 12: 539-548.
5. Stéphanie Bergmann, Bixia Li, Eva Pilot, Renchao Chen, Boguang Wang, **Jun Yang**[#]. Effect modification of the short-term effects of air pollution on morbidity by season: a systematic review and meta-analysis. *Sci of Total Environ*, 2020, 716: 136985.
6. Li Qi, Yuan Gao, **Jun Yang**, et al. The burden of influenza and pneumonia mortality attributable to absolute humidity among elderly people in Chongqing, China, 2012–2018. *Sci Total Environ*, 2020, 716: 136682.
7. Yongqiao Zhang, Xiaole Liu, ..., **Jun Yang**, Zhongjie Fan. Effects of Ambient Temperature on Acute Exacerbations of Chronic Obstructive Pulmonary Disease: Results from a Time-Series Analysis of 143318 Hospitalizations. *International Journal of Chronic Obstructive Pulmonary Disease*, 2020, 15: 213-223.
8. Chunlin Zhang, Hao Wang, Li Bai, Changda Wu, Liran Shen, Olli Sippula, **Jun Yang**, Lei Zhou, Congrong He, Jun Liu, Zoran Ristovski, Lidia Morawska, Boguang Wang. Should industrial bagasse-fired boilers be phased out in China? *Journal of Cleaner Production*, 2020, 121716: doi.org/10.1016/j.jclepro.2020.121716.
9. Yanlin Niu, Yuan Gao, **Jun Yang**, Li Qi, Tao Xue, Moning Guo, Jianpeng Zheng, Feng Lu, Jun Wang, Qiyong Liu. Short-term effect of apparent temperature on daily emergency visits for mental and behavioral disorders in Beijing, China: A time-series study. *Science of The Total Environment*,

2020, 733: 139040.

2019

10. Jun **Yang**, Peng Yin, Jimin Sun, et al. Heatwave and mortality in 31 major Chinese cities: Definition, vulnerability and implications. *Science of The Total Environment*, 2019, 649: 695-702.
11. Chenchao Ma*, Jun **Yang***, Shoji F. Nakayama, et al. The association between temperature variability and cause-specific mortality: Evidence from 47 Japanese prefectures during 1972–2015. *Environ Int*, 2019, 127: 125-133.
12. Jinjian Chen, Jun **Yang**#, Maigeng Zhou, et al. Cold spell and mortality in 31 Chinese capital cities: Definitions, vulnerability and implications. *Environ Int*, 2019, 128: 271-278.
13. Mengmeng Li, Maigeng Zhou, Jun **Yang**# et al. Temperature, Temperature Extremes and Cause-specific Respiratory Mortality in China: A Multi-city Time Series Analysis. *Air Quality, Atmosphere & Health*, 2019, DOI: 10.1007/s11869-019-00670-3.
14. Renchao Chen, Jun **Yang**#, Chunlin Zhang, et al. Global associations of air pollution and conjunctivitis diseases: a systematic review and meta-analysis. *Int J Environ Res Public Health*, 2019, 16: 3652.
15. Shaohua Gu, Ruixue Huang, Jun **Yang**, et al. Exposure-lag-response association between sunlight and schizophrenia in Ningbo, China. *Environmental Pollution*, 2019, 247: 285-292.
16. Zhaoyue Chen, Tianhao Zhang, Rong Zhang, Zhongmin Zhu, Jun **Yang**, et al. Extreme gradient boosting model to estimate PM_{2.5} concentrations with missing-filled satellite data in China. *Atmospheric Environment*, 2019, 202: 180-189.
17. Xiaobo Liu, Baimaciwang, Yujuan Yue, Haixia Wu, Pengcuociren, Yuhong Guo, Cirenwangla, Dongsheng Ren, Danzenggongga, Dazhen, Jun **Yang**, et al. Breeding Site Characteristics and Associated Factors of *Culex pipiens* Complex in Lhasa, Tibet, P. R. China. *Int J Environ Res Public Health*, 2019, 16: 1407. (IF: 2.10)
18. Yanjun Wang, Anqian Wang, Jianqing Zhai, Hui Tao, Tong Jiang, Buda Su, Jun **Yang**, et al. Tens of thousands additional deaths annually in cities of China between 1.5 °C and 2.0 °C warming. *Nature Communications*, 2019, 10.1038/s41467-019-11283-w.

2018

19. Jun **Yang**, Maigeng Zhou, Mengmeng Li, et al. Vulnerability to the impact of temperature variability on mortality in 31 major Chinese cities. *Environ Pollution*, 2018, 239: 631-637.

20. **Jun Yang**, Maigeng Zhou, Mengmeng Li, et al. Diurnal temperature range in relation to death from stroke in China. *Environ Res*, 2018, 164: 669-675.
21. Jimin Sun*, Liang Lu*, **Jun Yang***, et al. Association between severe fever with thrombocytopenia syndrome incidence and ambient temperature. *Am J Trop Med Heg*, 2018 Mar 19. doi: 10.4269/ajtmh.17-0991.
22. Kejia Hu, Yuming Guo, Deyun Hu, Rongguang Du, Xuchao Yang, Jieming Zhong, Fangrong Fei, Gongbo Chen, Qi Zhao, **Jun Yang**, et al. Mortality burden attributable to PM₁ in Zhejiang province, China. *Environ Int*, 2018, 121: 515-522.
23. Yang Xia, Yuan Li, Dabo Guan, David Mendoza Tinoco, Jiangjiang Xia, Zhongwei Yan, Jun Yang, Qiyong Liu, Hong Huo. Assessment of the economic impacts of heat waves: A case study of Nanjing, China. *Journal of Cleaner Production*, 2018 171: 811-819. (IF: 5.65)
24. Jimin Sun, Liang Lu, Keke Liu, Jun Yang, et al. Forecast of severe fever with thrombocytopenia syndrome incidence with meteorological factors. *Sci Total Environ*, 2018, 626: 1188-1192. (IF: 4.90)
25. Jimin Sun, Liang Lu, Keke Liu, Jun Yang, et al. Spatiotemporal patterns of severe fever with thrombocytopenia syndrome in China, 2011-2016. *Ticks and Tick-borne Diseases*, 2018, doi.org/10.1016/j.ttbdis.2018.03.026.

2017

26. **Jun Yang**, Maigeng Zhou, Chun-Quan Ou, et al. Seasonal variations of temperature-related mortality burden from cardiovascular disease and myocardial infarction in China. *Environ Pollution*, 2017, 224: 400-406.
27. Shaohua Gu*, **Jun Yang***, Alistair Woodward, et al. The short-term effect of visibility and haze on mortality in a coastal city of China: a time-series study. *Int J Environ Res Public Health*, 2017, 14:1419.
28. Lei Xu, Leif C. Stige, Kung-Sik Chan, Jie Zhou, **Jun Yang**, et al. Climate variation drives dengue dynamics. *PNAS*, 2017, 114:113-118.
29. Rennie Xinrui Qin, Changchun Xiao, Yibin Zhu, Jing Li, **Jun Yang**, et al. The interactive effects between high temperature and air pollution on mortality: a time-series analysis in Hefei, China. *Sci of Total Environ*, 2017, 517:1530-1537.
30. Jing Li, Alistair Woodward, Xiang-Yu Hou, Tong Zhu, Jinliang Zhang, Helen Brown, **Jun Yang**, et al. Modification of the effects of air pollutants on mortality by temperature: a systematic

review and meta-analysis. *Sci of Total Environ*, 2017, 575:1556-1570.

31. Jinghong Gao, Alistair Woodward, Sotiris Vardoulakis, Liping Li, Lei Xu, Jing Li, **Jun Yang**, et al. Haze, public health and mitigation measures in China: A review of the current evidence for further policy response. *Sci of Total Environ*, 2017, 578:148-157.

32. Jimin Sun, Liang Lu, Haixia Wu, **Jun Yang**, et al. Epidemiological trends of dengue in mainland China, 2005-2015. *Int J Infect Dis*. 2017, Feb 15. doi: 10.1016/j.ijid.2017.02.007.

33. Jing Li, Xin Xu, **Jun Yang**, et al. Ambient high temperature and mortality in Jinan, China: A study of heat thresholds and vulnerable populations. *Environ Res*, 2017, 156: 657–664.

34. Jinghong Gao, Guozhang Xu, Wenjun Ma, Yong Zhang, Alistair Woodward, Sotiris Vardoulakis, Sari Kovats, Paul Wilkinson, Tianfeng He, Hualiang Lin, Tao Liu, Shaohua Gu, Jun Wang, **Jun Yang**, et al. Perceptions of health co-benefits in relation to greenhouse gas emission reductions: A survey among urban residents in three cities, China. *Int J Environ Res Public Health*, 2017, 14(3), 298; doi:10.3390/ijerph14030298.

35. Willemijn Vlieg, Ewout Fanoy, Liselotte van Asten, Xiaobo Liu, **Jun Yang**, et al. Comparing national infectious disease surveillance systems: China and the Netherlands. *BMC Public Health*, 2017, 17: 415.

36. Jimin Sun, Liang Lu, Haixia Wu, **Jun Yang**, et al. The changing epidemiological characteristics of severe fever with thrombocytopenia syndrome in China, 2011-2016. *Scientific reports*, 2017, 7(1):9236.

2016

37. **Jun Yang**, Chun-Quan Ou, Yu-Feng Song, et al. Estimating years of life lost from cardiovascular mortality related to air pollution in Guangzhou, China. *Sci of Total Environ*, 2016 Sep 6. pii: S0048-9697(16)31931-3. doi: 10.1016/j.scitotenv.2016.09.014.

38. **Jun Yang**, Peng Yin, Maigeng Zhou, et al. The burden of stroke mortality attributable to cold and hot ambient temperatures: Epidemiological evidence from China. *Environ Int*. 2016 Apr 20; 32-238. doi: 10.1016/j.envint.2016.04.001.

39. Li Li*, **Jun Yang***, Yue-Feng Song, et al. The burden of COPD mortality due to ambient air pollution in Guangzhou. *Scientific reports*, 2016 May 19;6:25900. doi: 10.1038/srep25900.

40. Cui Guo, **Jun Yang**, Yuming Guo, et al. Short-term effects of meteorological factors on pediatric hand, foot, and mouth disease in Guangdong, China: a multi-city time-series analysis.

BMC Infectious Disease, 2016, 16:1-9.

41. Jing Li, Xin Xu, Guoyong Ding, Yun Zhao, Zhao Ruixia, Fuzhong Xue, Jing Li, Jinghong Gao, **Jun Yang**, Baofa Jiang, Qiyong Liu. A Cross-Sectional Study of Heat Wave-Related Knowledge, Attitude, and Practice among the Public in the Licheng District of Jinan City, China. *Int J Environ Res Public Health*. 2016, 13(7), 648; doi: 10.3390/ijerph13070648.

42. Bin Chen, **Jun Yang**, Lei Luo, Zhicong Yang, Qiyong Liu. Who Is Vulnerable to Dengue Fever? A Community Survey of the 2014 Outbreak in Guangzhou, China. *Int. J. Environ. Res. Public Health* 2016, 13(7), 712; doi:10.3390/ijerph13070712.

2015

43. **Jun Yang**, Chun-Quan Ou, Yuming Guo, et al. The burden of ambient temperature on years of life lost in Guangzhou, China. *Scientific reports*, 2015; 5:12250.

44. **Jun Yang**, Peng Yin, Maigeng Zhou, et al. Cardiovascular mortality risk attributable to ambient temperature in China. *Heart*, 2015;101(24):1966-72. (Comment in “Marti-Soler H, Marques-Vidal P. Weather and cardiovascular mortality. *Heart*, 2015”)

45. **Jun Yang**, Peng Yin, Maigeng Zhou, et al. The effect of ambient temperature on diabetes mortality in China: a multi-city time series study. *Sci of Total Environ*, 2015; 543(Pt A):75-82.

46. Li Li, **Jun Yang**, Cui Guo, Pingyan Chen, Chunquan Ou, Yuming Guo. Particulate matter modifies the magnitude and time course of the non-linear temperature-mortality association. *Environ Pollution* 2015:1-8.

47. Mengmeng Li, Shaohua Gu, Peng Bi, **Jun Yang**, Qiyong Liu. Heat Waves and Morbidity: Current Knowledge and Further Direction-A Comprehensive Literature Review. *Int J Environ Res and Public Health* 2015,12(5):5256-5283.

48. Cui Guo, Lin Yang, Chun-Quan Ou, Li Li, Yan Zhuang, **Jun Yang**, Ying-Xue Zhou, Jun Qian, Ping-Yan Chen, Qi-Yong Liu. Malaria incidence from 2005-2013 and its associations with meteorological factors in Guangdong, China. *Malaria Journal* 2015, 14: 116.

49. Shaowei Sang, Shaohua Gu, Peng Bi, Weizhong Yang, Zhicong Yang, Lei Xu, **Jun Yang**, Xiaobo Liu, Tong Jiang, Haixia Wu, Cordia Chu, Qiyong Liu. Predicting Unprecedented Dengue Outbreak Using Imported Cases and Climatic Factors in Guangzhou, 2014. *PLoS Neglected Tropical Diseases* 2015, 9(5):e0003808. DOI:10.1371/journal.pntd.0003808.

2014

50. Ying-Xue Zhou, Zhi-Tao Zhao, Li Li, Cheng-Song Wan, Cheng-Hua Peng, **Jun Yang**, Chun-Quan Ou. Predictors of first-year GPA of medical students: a longitudinal study of 1285 matriculates in China. *BMC Medical Education* 2014, 14(1):87.

51. Chun-Quan Ou, **Jun Yang**, Qiaoqun Ou, et al. The Impact of Relative Humidity and Atmospheric Pressure on Mortality in Guangzhou, China. *Biomed and Environ Sci* 2014, 27:917-925.

2013

52. **Jun Yang**, Hua-Zhang Liu, Chun-Quan Ou, et al. Global climate change: Impact of Diurnal Temperature Range on Mortality in Guangzhou, China. *Environ Pollution* 2013, 175, 131-136.

53. **Jun Yang**, Hua-Zhang Liu, Chun-Quan Ou, et al. The Impact of the 2005 heat wave on mortality in Guangzhou, China. *Biomed Environ Sci*, 2013, 26, 647-654

54. Chun-Quan Ou, Yun-Feng Song, **Jun Yang**, et al. Excess Winter Mortality and cold temperatures in a subtropical city, Guangzhou, China. *Plos one*, 2013, 08, DOI: 10.1371/journal.pone.0077150.

55. 2012

56. **Jun Yang**, Chun-Quan Ou, Yan Ding, et al. Daily temperature and mortality: a study of distributed lag non-linear effect and effect modification in Guangzhou. *Environ Health* 2012, 11:63.

Conference Presentations

1. **Jun Yang**, Maigeng Zhou, Peng Yin, Mengmeng Li, Xiaobo Liu, Haixia Wu, Qiyong Liu. National and regional death burden attributable to ambient temperatures: Epidemiological evidence from 89 Chinese communities
➤ *Oral Presentation*, The 2nd Lancet-Chinese Academy of Medical Sciences Health Summit, Beijing, Oct 2016.
2. **Jun Yang**, Maigeng Zhou, Peng Yin, Mengmeng Li, Chun-Quan Ou, Shaohua Gu, Qiyong Liu. Mortality as function of dust-haze in China: a multi-city time-series study.
➤ *Oral Presentation*, The 2nd Lancet-Chinese Academy of Medical Sciences Health Summit, Beijing, Oct 2016.
3. **Jun Yang**, Maigeng Zhou, Peng Yin, Mengmeng Li, Qiyong Liu. The Death Burden of Ischemic Heart Disease Due to Ambient Temperature in China.

- *Oral Presentation*, The 2nd Annual Conference of the Chinese Consortium of Universities for Global Health, Duke Kunshan University, Oct 2016
4. **Jun Yang**, Maigeng Zhou, Peng Yin, Qiyong Liu. The impact of diurnal temperature range on cardiovascular mortality in China.
 - *Oral Presentation*, The Sino-Dutch Climate Change and Public Health Workshop, Beijing, Aug 2016
 5. **Jun Yang**, Maigeng Zhou, Peng Yin, Qiyong Liu. Health risk assessment and projection for cold and heat.
 - *Oral Presentation*, The 1st Public Health England-China CDC Workshop: A Global Health Partnership, Beijing, May 2016

Short Courses

1. Application of R Language in environmental sciences, Institute for Environmental and Climate Research, Jinan University, Guangzhou, Sep 2018-Jan 2019
2. Introduction of R Programming, Institute of Basic Medical Sciences, Chinese Academy of Medical Sciences, Beijing, Dec 2015.
3. Time-series Design and Distributed Lag Non-linear Model, The 2nd International Workshop on Climate Change and Public Health, School of Public Health, Shandong University, Oct 2014.

Editorial Activities

- Reviewer for: Lancet, BMJ, Nature Communications, Environmental Health Perspectives, International Journal of Epidemiology, Environment International, Environmental pollution, Science of the Total Environment, Environmental research, Environmental health, BMJ Open, International Journal of Biometeorology, BMC public health and PLOS one.