

Mei ZHENG, PhD

Professor

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ACADEMIC POSITION

- Boya Distinguished Professor, Peking University
- Professor, College of Environmental Sciences and Engineering, Peking University
- Guest Professor, Sun Yat-sen University
- Adjunct Professor, Hong Kong University of Science and Technology (Guangzhou)

EDUCATION

2000	PhD	Oceanography	University of Rhode Island, USA
1993	MSc	Geochemistry	Guangzhou Institute of Geochemistry, CAS, China
1990	BSc	Geology	Sun Yat-sen University, China

ACADEMIC EXPERIENCE

2010 - Present	Professor	College of Environmental Sciences and Engineering Peking University
2022 - Present	Director	Center of Environment and Health Peking University
2015 - 2019	Vice Dean	Institute of Ocean Research Peking University
2000 - 2010	Senior Research Scientist, Research Scientist II, Postdoc	School of Earth and Atmospheric Sciences Georgia Institute of Technology
2000-2001	Visiting Postdoc	University of Wisconsin-Madison

PROFESSIONAL SERVICE

- Co-chair, Global Engagement Committee, American Geophysical Union
- Chinese National Committee, International Association of Meteorology and Atmospheric Sciences (IAMAS)
- Advisory Committee, Beijing Municipal Ecology and Environmental Bureau
- Academic Committee, Beijing Key Laboratory of Airborne Particulate Matter Monitoring Technology
- Foreign Expert Committee, Peking University
- IGAC Scientific Steering Committee (2018-2023)
- American Geophysical Union (AGU) Meeting's Committee (2015-2017)
- Executive Committee, Australia-China Centre for Air Quality Science and Management (2015-2016)
- Expert Panel of the Division of Monitoring, Ministry of Ecology and Environment, China (2014)

MEMBERSHIP

- American Geophysical Union
- Asia Oceania Geosciences Society (AOGS)
- IGAC China Working Group
- Chinese Society for Environmental Sciences (Atmospheric Environment Section)

RESEARCH INTERESTS

- Atmospheric aerosol, sources, and processing
- Urban air quality/Health effects of fine particulate matter (PM_{2.5})
- Air pollution exposure and measurements
- Marine aerosol sources and deposition

SELECTED PUBLICATIONS

Total number of papers: 197, total SCI papers: 175

(total citation 12186 and H index 60 by Web of Science, and total citation 12515 and H index 62 by Scopus)

1. Zhang, T., J. Liu, Y. Xiang, X. Liu, J. Zhang, L. Zhang, Q. Ying, Y. Wang, Y. Wang, S. Chen, F. Chai, **M. Zheng**. Quantifying anthropogenic emission of iron in marine aerosol in the Northwest Pacific with shipborne online measurements. *Science of the Total Environment* 2024, 912: 169158.
2. Liu, Y., Y. Wang, Y. Cao, X. Yang, T. Zhang, M. Luan, D. Lyu, A. Hansen, B. Liu, **M. Zheng**. Impacts of COVID-19 on black carbon in two representative regions in China: Insights based on online measurement in Beijing and Tibet. *Geophysical Research Letters* 2021, 48: e2021GL092770.
3. Yan, C., S. Ma, Q. He, X. Ding, Y. Cheng, M. Cui, X. Wang, **M. Zheng**. Identification of PM_{2.5} sources contributing to both brown carbon and reactive oxygen species generation in winter in Beijing, China. *Atmospheric Environment* 2021, 246: 118069.
4. Yan, C., **M. Zheng**, Y. Desyaterik, A. Sullivan, Y. Wu, J. Collett. Molecular characterization of water-soluble brown carbon chromophores in Beijing, China. *Journal of Geophysical Research-Atmospheres* 2020, 125: e2019JD032018.
5. Li, X., X. Kuang, C. Yan, S. Ma, S. Paulson, T. Zhu, Y. Zhang, **M. Zheng**. Oxidative potential by PM_{2.5} in the North China Plain: Generation of hydroxyl radical. *Environmental Science & Technology* 2019, 53: 512-520.
6. Liu, Y., **M. Zheng**, M. Yu, X. Cai, H. Du, J. Li, T. Zhou, C. Yan, X. Wang, Z. Shi, R. Harrison, Q. Zhang, K. He. High-time-resolution source apportionment of PM_{2.5} in Beijing with multiple models. *Atmospheric Chemistry and Physics* 2019, 19: 6595-6609.
7. Yan, C., **M. Zheng**, A. Sullivan, G. Shen, Y. Chen, S. Wang, B. Zhao, S. Cai, Y. Desyaterik, X. Li, T. Zhou, Ö. Gustafsson, J. Collett. Residential coal combustion as a source of Levoglucosan in China? *Environmental Science & Technology* 2018, 52: 1665-1674.
8. **Zheng, M.**, C. Yan, S. Wang, K. He, Y. Zhang. Understanding PM_{2.5} sources in China: Challenges and perspectives. *National Science Review* 2017, 4: 801-803.
9. **Zheng, M.**, G. Hagler, L. Ke, M. Bergin, F. Wang, P. Louie, L. Salmon, D. Sin, J. Yu, J. Schauer. Composition and sources of carbonaceous aerosols at three contrasting sites in Hong Kong. *Journal of Geophysical Research-Atmospheres* 2006, 111: D20313.
10. **Zheng, M.**, G. Cass, J. Schauer, E. Edgerton. Source apportionment of PM_{2.5} in the southeastern United States using solvent-extractable organic compounds as tracers. *Environmental Science & Technology* 2002, 36: 2361-2371.