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个人简介

魏敏，山东济南人，中共党员，讲师，中国科学院博士。主讲《水环境学》、《环境毒理学》等课程。

主要研究领域和研究方向为大气环境科学，从环境微生物角度关注区域大气生物气溶胶特征。其他研究方向包括环境微生物技术在新能源的开发利用，清洁能源煤层气及页岩气的生物成因气的探究。近年来，主持国家自然科学基金、博士后特别资助、博士后面上项目，参与多项国家自然科学基金、国家科技重大专项等课题，已在《Atmospheric Chemistry and Physics》、《Science of the Total Environment》、 《Ecotoxicology and Environmental Safety》等杂志发表多篇学术论文。

主持科研项目

1. 国家自然基金青年项目，“山东区域大气细颗粒物中微生物群落动态及健康风险研究”(41605113)。
2. 中国博士后科学基金特别资助，“大气复合污染背景下生物气溶胶污染特征及来源追踪”（2019T120606）。
3. 中国博士后科学基金面上项目，“典型雾霾过程中微生物气溶胶的污染特征与动态响应研究”(2015M582095)。
4. 中国博士后科学基金面上项目，“济南市采暖期微生物气溶胶对大气复合污染的影响探究”（2018M632713）。
5. 上海市大气颗粒物污染防治重点实验室开放课题，“大气复合污染背景下生物气溶胶健康风险及传输模型研究”（FDLAP19008）。

代表性学术论文

1、**Min Wei**, Caihong Xu, Jianmin Chen, Chao Zhu, Jiarong Li, Ganglin Lv. Characteristics of bacterial community in cloud water at Mt. Tai: similarity and disparity under polluted and non-polluted cloud episodes. Atmospheric Chemistry and Physics. 2017, 17, 5253-5270.

2、**Min Wei**, Caihong Xu, Jianmin Chen, Chao Zhu, Jiarong Li, Ganglin Lv. Characteristics of atmospheric bacterial and fungal communities in $PM_{2.5}$ following biomass burning disturbance. Science of the Total Environment, 2019, 657, 2727–2739.

3、**Min Wei,** Caihong Xu, Jianmin Chen, Chao Zhu, Jiarong Li, Ganglin Lv. Size distribution of bioaerosols from biomass burning emissions: Characteristics of bacterial and fungal communities in submicron ($PM_{1.0}$) and fine ($PM_{2.5}$) particles. Ecotoxicology and Environmental Safety, 2019, 171, 37–46.

4、Ji Zhang, Chao Wang, Kai Qu, Jiewei Ding, Yiqun Shang, Houfeng Liu，**Min Wei***. Characteristics of Ozone Pollution, Regional Distribution and Causes during 2014–2018 in Shandong Province, East China. Atmosphere 2019, 10(9), 501; https://doi.org/10.3390/atmos10090501.

5、**Min Wei**, Zhisheng Yu, Hongxun Zhang. Molecular characterization of microbial communities in bioaerosols of a coal mine by 454 pyrosequencing and real-time PCR. Journal of Environmental Sciences. 2015, 30(4), 241-251.

6、**Min Wei**, Zhisheng Yu, Zheng Jiang, Hongxun Zhang. Microbial diversity and biogenic methane potential of a thermogenic-gas coal mine. International Journal of Coal Geology. 2014, 134-135, 96-107.

7、**Min Wei**, Zhisheng Yu, Hongxun Zhang. Microbial diversity and abundance in a representative small-production coal mine of central China. Energy & Fuels. 2013, 27 (7), 3821-3829.

8、Caihong Xu, **Min Wei,** Jianmin Chen, Chao Zhu, Jiarong Li, Xianmang Xu,Wenxing Wang, Qingzhu Zhang, Aijun Ding, Haidong Kan, Zhuohui Zhao, Abdelwahid Melloukia. Profile of inhalable bacteria in $PM_{2.5}$ at Mt. Tai, China: Abundance, community, and influence of air mass trajectories, Ecotoxicology and Environmental Safety, 2019, 168, 110-119.

9、Caihong Xu, **Min Wei**, Jianmin Chen, Xinfeng Wang, Chao Zhu, Jiarong Li, Lulu Zheng, Guodong Sui, Weijun Li, Wenxing Wang, Qingzhu Zhang, Abdelwahid Mellouki, Investigation of Diverse Bacteria in Cloud Water at Mt. Tai, China. Science of the Total Environment, 2017, 580(15), 258–265.

10、Caihong Xu, **Min Wei**, Jianmin Chen, Chao Zhu,Jiarong Li, Ganglin Lv, Xianmang Xu, heng, Lulu Zheng, Guodong Sui, Weijun Li, Bing Chen, Wenxing Wang, Qingzhu Zhang, Aijun Ding, Abdelwahid Mellouki. Fungi diversity in $PM_{2.5}$ and PM_1 at the summit of Mt. Tai: abundance, size distribution, and seasonal variation, Atmospheric Chemistry and Physics, 2017,

17 (18), 11247-11260.

11、Caihong Xu, **Min Wei**, Jianmin Chen, Weijun Li, Wenxing Wang, Qingzhu Zhang, Abdelwahid Mellouki. Bacterial Characterization in Ambient Submicron Particles during Severe Haze Episodes at Ji'nan, China, Science of the Total Environment, 2017, 580(15), 188–196.