

Peking University Bioaerosol Laboratory Bulletin (PKU-BLB)

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Dr. Yao was employed as the Associate Editor
for Journal of Aerosol Science!

Former PhD
student Haoxuan Chen
made the Sheldon K.
Friedlander award speech
during the 41th AAAR annual
conference!



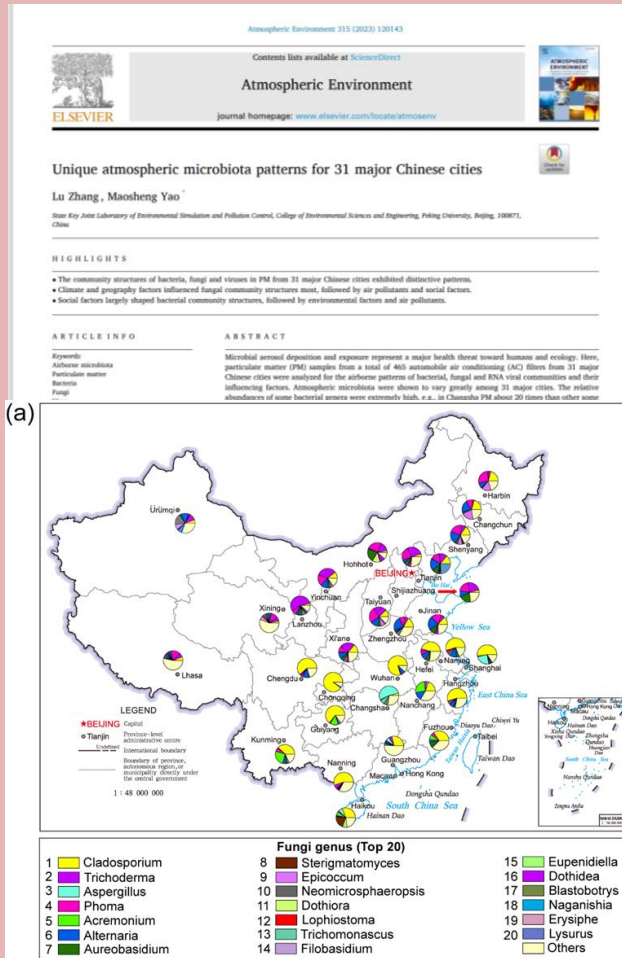
Dr. Yao co-organized a bioaerosol
session during the 12th National
Environmental Chemistry
Conference!

北京大学生物气溶
胶实验室

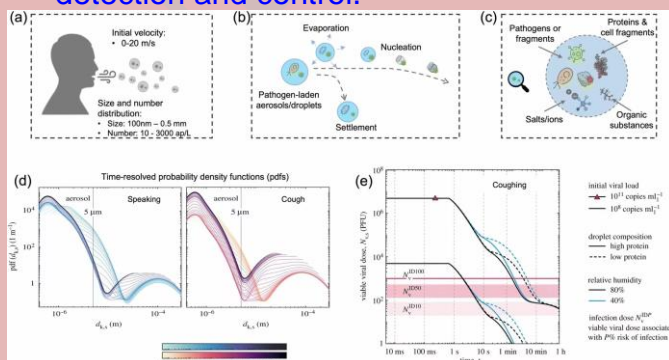
Beijing, China

Scientific Publications

1. The work by Zhang et al regarding the national wide PM-borne biologicals was published in Atmospheric Environment. Here, distinctive microbiota patterns were detected being formed by environmental, social-economic and ecological factors, and further influenced by interactions among the microbial agents across 31 geophysical locations.



2. Dr. Yao co-authored a Chemical Society Review article focused airborne pathogen detection and control.



3. Our work by Xing et al (2023) regarding the PM toxicity mechanisms was published in ES&T. This study provides valuable insights into the mechanisms of exhaled VOCs and underscores their critical role as biomarkers for differentiating the toxicity of different PMs and detecting the early signs of potential diseases. The results from this work also provide a scientific basis for city-specific air pollution control and policy development.



4. Our laboratory has developed a method that can real-time capture exhaled flow and the protocol can be used to study the airborne transmission of infectious diseases.



Research Grant

1. Dr. Yao together with his colleagues has won a National S&T project award.

Other Selected Scientific Activities

1. Dr. Yao was invited to give a presentation to the Turing Class at Peking University.



2. Dr. Yao was employed as the Associate Editor for Journal of Aerosol Science.

Welcome to Journal of Aerosol Science

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Dear Dr. Yao,

We are pleased to welcome you to your new role as Associate Editor with Journal of Aerosol Science.

3. Dr. Yao co-organized a bioaerosol session during the 12th National Environmental Chemistry Conference!



Student News

1. Xinyue Li and Lu Zhang gave platform presentations at the 41th AAAR conference.



Zhang Lu presenting her work at AAAR conference



Li Xinyue presenting her work at AAAR conference

2. Haoxuan with his former lab mates during the 41th AAAR conference





Sheldon K. Friedlander Outstanding
Dissertation Award

Our next issue is expected to be in April 2024 and look forward to exciting news from our group. For other information, please visit our laboratory web site: www.yaopkulab.com. All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory. Happy New Year 2024!