

Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 1, Issue 1

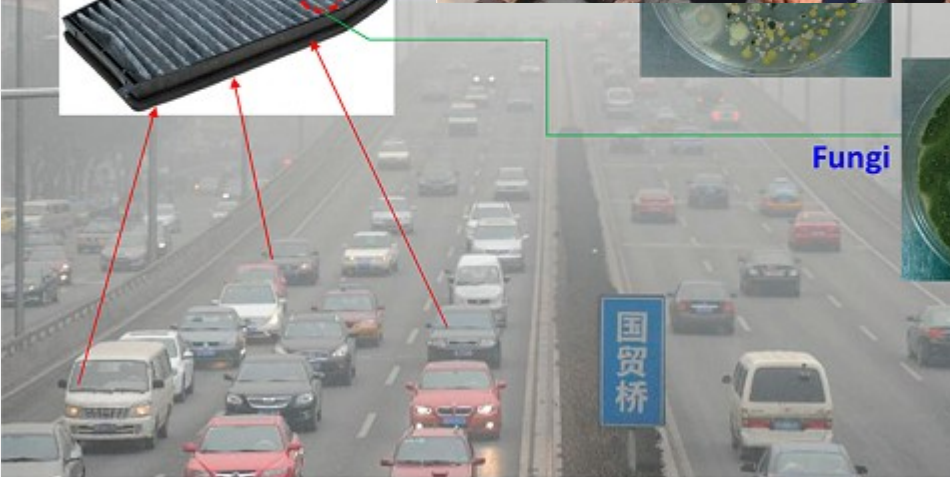
October, 2013



Vehicle Air Conditioner Filter



Fungi



北京大学生物气溶
胶实验室

Beijing, China

Scientific Publications

1. Jing Li, Mingzhen Li, Fangxia Shen, Zhuanglei Zou, Maosheng Yao*, and Chang-Yu Wu, Characterization of Biological Aerosol Exposure Risks from Automobile Air Conditioning System, *Environmental Science & Technology*, 2013,47(18), pp 10660-10666.

Article
pubs.acs.org/est

Characterization of Biological Aerosol Exposure Risks from Automobile Air Conditioning System

Jing Li,^{†,§} Mingzhen Li,^{†,§} Fangxia Shen,[†] Zhuanglei Zou,[†] Maosheng Yao,^{*,†} and Chang-yu Wu[‡]

2. Siyu Xu, Maosheng Yao, NanoPCR detection of bacterial aerosols, *Journal of Aerosol Science*, 2013,65, pp 1-9.



Contents lists available at SciVerse ScienceDirect

Journal of Aerosol Science

journal homepage: www.elsevier.com/locate/jaerosci



NanoPCR detection of bacterial aerosols

Siyu Xu, Maosheng Yao*



3. Pengpeng Huang[#], Zhengfang Ye, Wuming Xie, Qi Chen, Jing Li, Zhencheng Xu, Maosheng Yao* (2013), Rapid Magnetic Removal of Aqueous Heavy Metals and their Relevant Mechanisms Using Nanoscale Zero Valent Iron (nZVI) Particles, *Water Research*, 47, pp 4050–4058



Water Research

Volume 47, Issue 12, 1 August 2013, Pages 4050–4058

Nanotechnology for Water and Wastewater Treatment



Rapid magnetic removal of aqueous heavy metals and their relevant mechanisms using nanoscale zero valent iron (nZVI) particles

Pengpeng Huang^{a,c,†}, Zhengfang Ye^{b,‡}, Wuming Xie^c, Qi Chen^a, Jing Li^a, Zhencheng Xu^a, Maosheng Yao^{a*}

4. Zhenqiang Xu[#], Kai Wei, Yan Wu, Fangxia Shen, Qi Chen, Mingzhen Li and Maosheng Yao* (2013), Enhancing Bioaerosol Sampling by Andersen Impactors Using Mineral-Oil-Spread Agar Plate, *PLoS ONE*, 8(2): e56896.

OPEN ACCESS Freely available online



Enhancing Bioaerosol Sampling by Andersen Impactors Using Mineral-Oil-Spread Agar Plate

Zhenqiang Xu, Kai Wei, Yan Wu, Fangxia Shen, Qi Chen, Mingzhen Li, Maosheng Yao*

Other publications are available at

<http://openwetware.org/wiki/Yao-Lab:Publications>

Academic Honors

1. Prof. Maosheng Yao won the Marian Smoluchowski Award. Prof. Yao won the Marian Smoluchowski Award in recognition of significant research contribution to aerosol science! It was awarded by Gesellschaft für Aerosolforschung (GAeF) during the European Aerosol Conference held during Sep.1-6th in Prague, Czech Republic.

Marian Smoluchowski Award is named after Marian Smoluchowski (1872-1917) who was a well-known statistical physicist. This award is often recognized as one of the highest international honors of young aerosol scientists.



Prof. Yao was making an Award-Receiving (Marian Smoluchowski Award) speech in the 2013 European Aerosol Conference in Prague, Czech Republic.

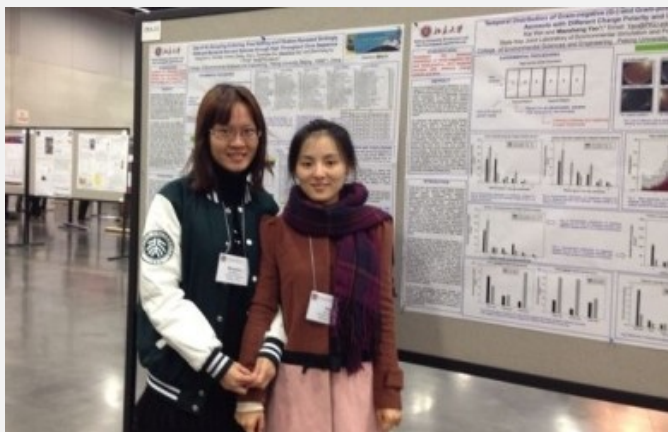
2. Graduate student Fangxia Shen won the National Outstanding Young PhD Student Award. Fangxia won the Outstanding Young PhD Student Award offered by Gao Tingyao Environmental Science & Technology Development Foundation of Shanghai Tongji University. This award is for the national outstanding PhD candidates and highly competitive.



3. Fangxia Shen and Mingzhen Li both won the graduate students' National Scholarship.

Academic Conferences

1. Prof. Maosheng Yao together with graduate students Kai Wei and Mingzhen Li attended the 32nd annual conference of American Association for Aerosol Research (AAAR) held in Portland, Oregon, USA.

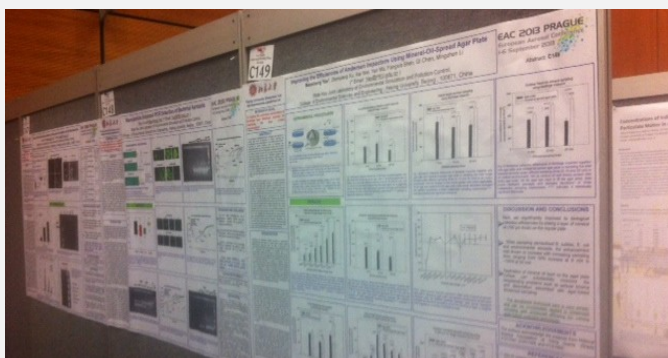


Kai Wei and Mingzhen Li in front of their posters



Prof. Yao was giving a talk at the bioaerosol symposium during the 32nd AAAR conference

2. Prof. Yao attended European Aerosol Conference held in Prague, Czech Republic during Sept 1-6, 2013, and received one award and presented 8 posters.



Several posters presented during the EAC conference held in Prague, Czech Republic

Other Selected Scientific Activities

1. Our group borrowed a UV-APS unit from Prof. Chang-yu Wu, University of Florida, and probably the first one in China. During the July 20-31, 2013, we launched a national campaign to monitor bioaerosols both indoors and outdoors in different climatic conditions.



2. Prof. Yao was appointed to member of Program Committee of Aerosol Technology 2014 (www.gaef.de/AT2014)

Student News

1. New student members

Our lab was welcoming two new graduate students:



Jing Li, first year PhD student, from University of Science and Technology Beijing



Yunhao Zheng, first Master student, from Jilin University

2. Undergraduate student Hanqing Fan visited Stanford University and had 8-week of academic exchange.



Hanqing @ Stanford University

3. Congrats to Master student Qi Chen and PhD student Yan Wu and visiting undergraduate students Siyu Xu and Pengpeng Huang for their graduations!



Dr. Yan Wu @ SinBerBEST

Dr. Yan Wu is now working at SinBerBEST with her supervisors: William W Nazaroff from UC Berkeley and Victor Chang from NTU on a number of

bioaerosol projects. Congrats, Wu Yan and keep up with the good work!

Now
Staff of Beijing IEP
Working at Division of
International Cooperation
in Beijing EPB

Job Duties:

- ✓ Answer calls
- ✓ Assist Visa applications
- ✓ Narrate for Foreign Visitors
- ✓ Manage international projects
- ✓ Translator for Conference
- ✓ Chapter Writing

Site Visits

July, 2013
Graduation
Master's Degree

Work is BUSY! Life is YUMMY!

Get up at 06:30
Arrive home at 20:00

Representative Cooking of Miss Chen

Qi Chen @ Beijing Municipal Research Institute of Environmental Protection. Congrats, Chen Qi, good work and good cooking too! Keep up with the good work!



Pengpeng Huang @ HKUST

Her brand-new life has started at HKUST with MSc in Environmental Health and Safety. The Environmental Science Program has two laboratories-coastal marine laboratory and environmental science laboratory, which are large, organized and with state-of-the-art apparatuses. The picture on the left is a view of coastal marine lab, and these two tanks are for those super lucky survivals that are exposed in toxicity experiment.



Siyu Xu @ Seoul National University. After spent almost 2 years in our lab, Siyu went to Seoul National University for graduate study in bioaerosol. Now, she is learning Korean language

Academic & Social Gatherings



Prof. Sergey Grinshpun from University of Cincinnati & Prof. Yao @ Bioaerosol People Gathering during 32nd AAAR conference held in Portland, Oregon, USA



Birthday Celebration for PKU Bioaerosol Laboratory Members in Beijing



Editor's note:

This quarterly PKU-BLB was prepared by Jing Li and Yunhao Zheng, and further revised by Prof. Maosheng Yao. Our next issue is expected to be in late Jan 2014. Any comments and suggestions can be sent to Jing Li @ lillian199007@gmail.com or Yunhao Zheng @ sdzyh224@163.com.



Peking University Bioaerosol Laboratory

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