# Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 7, Issue 2

August 2019

Prof Yao organized the 657 Xiangshan
Science Conference on Environmental ARG
and ARB spread and control



Prof Yao 's
work about
"GLOBAL
SURVEY of
ARG in Air"
was awarded
the "ES&T's
Best Papers of
2018 Award!

## EDVIRONMENTAL SCIENCE & Technology

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### ES&T's Best Papers of 20

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create a program that could donous a best paper, I would still term to hook for them pure where reasonates report on a paper paper where reasonates report on a paper part before reasonates of the paper pa

recognize insightful, policy-relevant research.

We are grateful to the exceptional researchers whose paper we recognize with these awards. We also appreciate th thousands of other authors whose research is reported in the

Editorial Advisory Board. The machines are not going to replace you anytime soon!

### ■ ENVIRONMENTAL SCIENCE

Top Paper. Anders S. Huseth, Thomas M. Chappell, Anitha Chitturi, Alana L. Jacobson, and George G. Kennedy. Insecticide Resistance Signals Negative Consequences of Widespread Neonicotinoid Use on Multiple Field Crops in the U.S. Cotton Belt. Eurstron. Sci. Technol., 2018, 52 (4), pp. 2314—2322. dxdo.org/10.1017/scs.ext/Nobol/

First Runner-Up. Am Calerrus. Drent C. G. Mars. Carter Kod. Photological and States Wing. Climate General Kod. Policides Indigit. and States Wing. Climate General Kod. Professional Congracolstener Posticides in Landbocked Clark from Lades in the Carashian High Arcitic Enterior. Sci. Totologi, 2018. 12 (10.1); pp. 100321 [cons. and. 8018106.] (10.1); pp. 100321 [cons. and. 8018106.] (2018). [cons. and. 8018206.] (2018). [co

### ■ ENVIRONMENTAL TECHNOLOGY

Top Paper, Pralay Gayen, Jason Spataro, Sumant Avasarala, Isbala-Mahdi Ali, José M. Cerrato, and Brian P. Chaplin. Electrocatalytic Reduction of Nitrate Using Magnèl Phase (IO), Reactive Electrochemical Membranes Doped with Pdsased Catalysta. Environ. Sci. Technol., 2018, 52 (16), pp 1970—1979, da.doi.org/10.1021/acs.ect.850.0388. First Bunner-Lin. Mod. Li. Huss. Shore. Numeric Can.

Zhiping Yang, Zhibui Ai, and Linhi Zhang, Oxygen Vacancies Meditard Complete Viulbe Light NO Odudtion via Side On Bridging Supersuide Radicals Enriven. Sci. Technol., 2018, 52 (51), pp 8659—8605. disclosing [10].017/acset-88091899.
Second Runner-Up. Haveni Duan, Liu Ye, Xianyu Li, Dumin J. Bastono, and Zhigao Yana. Sed-Stastained Nitrite Accumulation at Low pH Greatly Eshances Volatife Solid Destruction and Nitrogen Removal in Aerobic Studge

### ■ ENVIRONMENTAL POLICY

■ ENVIRONMENTAL POLICY

Top Paper. Wei Zhang, Yu Liu, Kuishuang Feng, Klaus

Hubacck, Jiman Wang, Misomiso Liu, Ling Jiang, Hongqiang

Jiang, Nianlei Liu, Pengyan Zhang, Ying Zhou, and Jian Ba.

Revealing Environmental Inequality Hidden in China's Interregional Trade Environ. Sci. Trichool., 2018, 52 (13), pp 7171—

First Runner-Up. James H. Gawron, Gregory A. Keoleia Robert D. De Kleine, Timothy J. Wallington, and Hyung Ch Kim. Life Cycle Assessment of Connected and Automat

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# 北京大学生物气溶 胶实验室

Beijing, China

## Scientific Publications

 Our work about "Differing toxicity of ambient particulate matter in global cities" by Li et al (2019) was accepted for publication in Atmospheric Environment

### DOI:

https://doi.org/10.1016/j.atmosenv.2019.05.048



## **Other Selected Scientific Activities**

1. Prof Yao invited Prof Richard Flagan from CalTech to give a talk titled "Pollen and Airborne Nanoparticles" in College of Environmental Sciences and Engineering, Peking University.





2. Dr. Yao invited Prof Don Milton from University of Maryland to give a presentation titled "Aerosol Transmission of Influenza" in CESE, PKU.



3. Dr. Yao co-chaired with Prof Hua Qian from Southeast University for the 4<sup>th</sup> Bioaerosol Symposium, congrats on Prof Qian.



 Prof Yao was appointed as one of executive chairs for the 657<sup>th</sup> Xiangshan Science Conference.









5. Prof Yao along with other colleagues organized a Bioaerosol session at the 10<sup>th</sup> National Conference on Environmental Chemistry held in Tianjin.



**Prof Yao, Prof Hwang and Prof An Taicheng** 



Prof Yao, Prof Mainelis and Prof Zifeng Yang



**Research Grants** 

1. Dr. Yao was awarded another NSFC grant aiming at developing new bioaerosol detection technique. This is the 7<sup>th</sup> research grant from National Natural Science Foundation of China (NSFC).

## **Other Scientific Activities**

1.Dr. Yao co-chaired the plenary session of the 4<sup>th</sup> bioaerosol symposium.



2. Prof. Yao was invited to give a keynote talk at the 5<sup>th</sup> Microbiota Symposium held in National Seoul University, Seoul, Korea



## **Student Activities**

 Graduate student Xinyue Li won the best poster/presentation awards during the 9<sup>th</sup> Indoor Environment and Health Branch Meeting and the 4<sup>th</sup> Bioaerosol Symposium held in Nanjing and 10<sup>th</sup> NCEC2019.





- 2. <u>Graduate student Ting Zhang won the National Student Scholarship award.</u>
- 3. Graduate students Xinyue Li, Minfei Wang, Lu Zhang, Haoxuan Chen, and postdoc Siyu Xu gave presentations during the 4<sup>th</sup> Bioaerosol symposium and also the 10<sup>th</sup> National Conference on Environmental Chemistry.





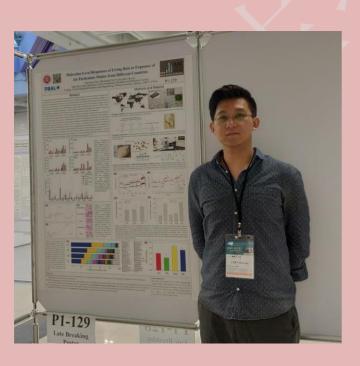


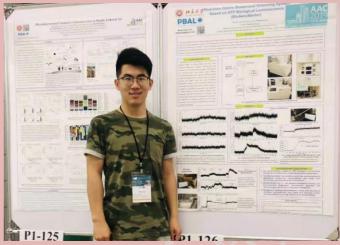
## Beijing, China Peking University Bioaerosol Laboratory Bulletin (PKU-BLB) Volume 7, Issue 2

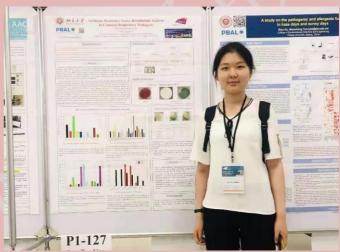




**4.** Graduate students were attending the Asian Aerosol Conference held in Kong Kong.









Lu Zhang from East China Normal University joined us for her PhD study at PKU. Welcome!

## **Teaching activity**



Dr. Yao with PKU undergraduate students for his undergraduate class "Indoor air pollution"

Our next issue is expected to be in December 2019 & we look forward to exciting news from our group. For other information, please visit our laboratory web site: <a href="www.yaopkulab.com">www.yaopkulab.com</a>. All contents contained in this document are copyrighted and explained by PKU Bioaerosol Laboratory.