# **Environmental Science Processes & Impacts**

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Cover Elad Zabinsky.

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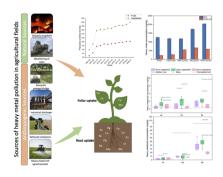


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Navneet Kaur, Jagdev Singh, Neeta Raj Sharma, Simranpreet Kaur Natt, Anand Mohan, Tabarak Malik\* and Madhuri Girdhar\*





# **EES Catalysis**



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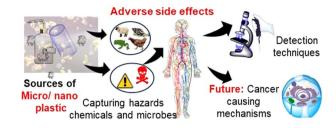
Fundamental questions
Elemental answers

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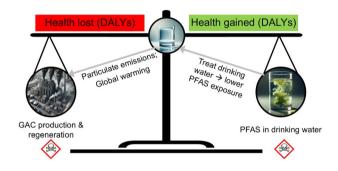


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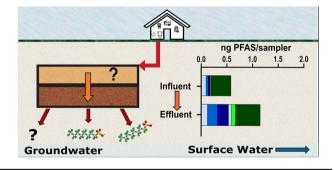
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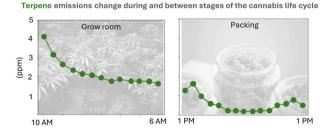
Rachel Smolinski, Meghan Oates, Arjun K. Venkatesan, Christopher J. Gobler and Carrie A. McDonough\*



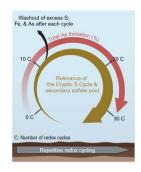
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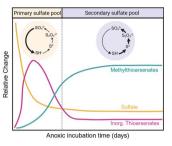
### Following the smell: terpene emission profiles through the cannabis life-cycle

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José M. León Ninin,\* Carolin Lisbeth Dreher, Andreas Kappler and Britta Planer-Friedrich

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### Spontaneous aqueous defluorination of trifluoromethylphenols: substituent effects and revisiting the mechanism

Zhefei Guo, Geneviève W. Tremblay, Jingdan Chen and Shira Joudan\*

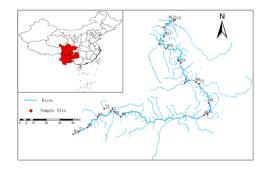
### 1864



# Comparative cytotoxicity and toxicological mechanisms of 6:2 CI-PFAES and PFOS in pancreatic β cells: implications for glucose metabolism disruption

Xiao-Min Ren, Jianying Wang, Fenging Zhao, Pingping Zhang, Huan He, Zhixiang Xu, Bin Huang and Xuejun Pan\*

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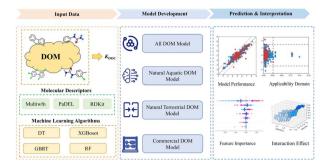
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### 1889

Machine learning prediction of DOC-water partitioning coefficients for organic pollutants from diverse DOM origins

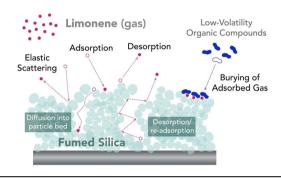
Ruyue Jin, Yuzhen Liang\* and Zhenging Shi



### 1902

Surfaces, silica and semivolatile organics—limonene uptake and desorption indoors and outdoors

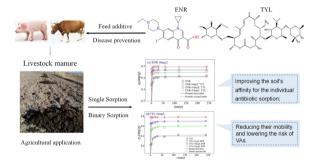
Ryan S. Reynolds, Kristen N. Johnson, Katelyn Pacaud, Michael Ezell, Pascale S. J. Lakey, Manabu Shiraiwa and Barbara J. Finlayson-Pitts\*



### 1914

Collaborative sorption behavior of tylosin and enrofloxacin in loess soil: implications for veterinary antibiotic fate

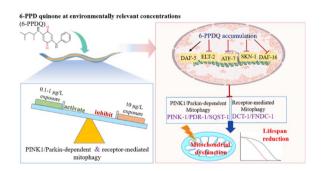
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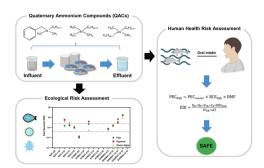
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An environmentally relevant concentration of 6-PPD quinone inhibits two types of mitophagy to cause mitochondrial dysfunction and lifespan reduction in Caenorhabditis elegans

Xin Hua and Dayong Wang\*



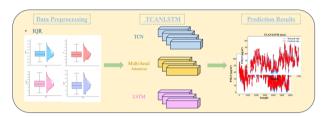
### 1941



### Quaternary ammonium compounds in wastewater during the COVID-19 pandemic: occurrence, exposure evaluation and risk assessment

Jingjing Li, Yongfeng Lin, Lihua Yu, Wei Gao, Bing Wang\* and Yuxin Zheng

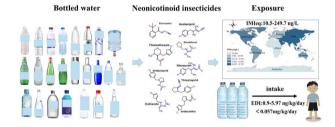
### 1951



## An optimized TCN-LSTM model for predicting PM<sub>2.5</sub> in metro systems

Canyun Yang, Zhang Kai, Xinyuan Wang, Tong Hu and Hongbin Liu\*

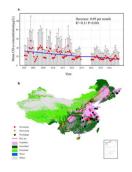
### 1960



### Neonicotinoid pesticide residues in bottled water: a worldwide assessment of distribution and human exposure risks

Yuanchen Chen, Ruirui Meng, Gege Liu, Wenfei Yu and Hangbiao Jin\*

### 1971



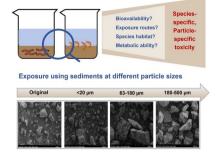
### Spatiotemporal changes in chlorophylla concentration in China's lakes and its driving factors

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### 1988

Role of sediment particle size in cypermethrin toxicity to Chironomus dilutus and Hyalella azteca: insights from bioavailability and exposure pathways

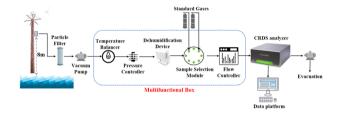
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### 1998

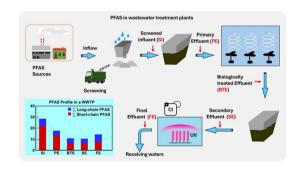
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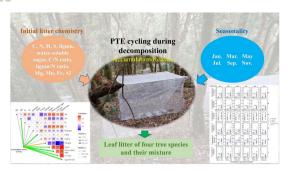
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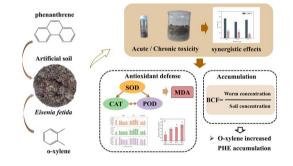
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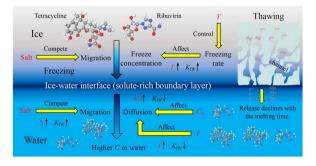
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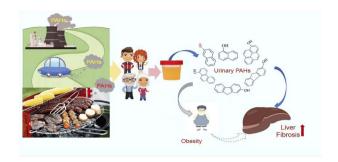
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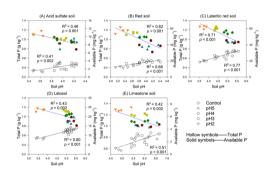
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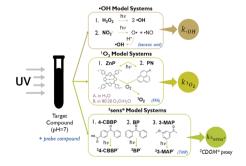
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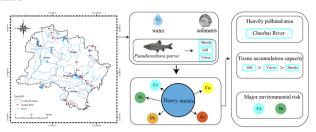
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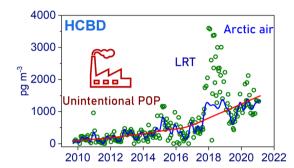
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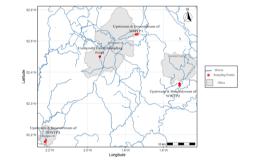
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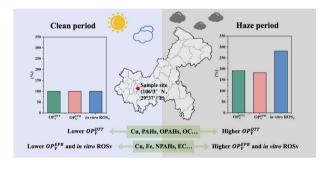
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Huanling Wu, Binghua Sun and Jinhua Li\*

