Environmental Science Processes & Impacts

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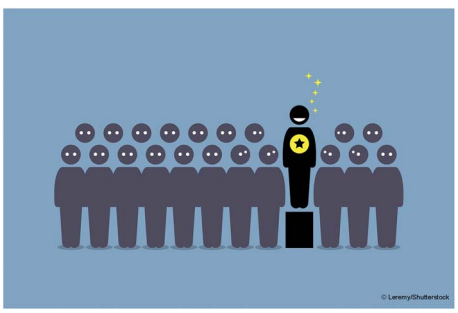
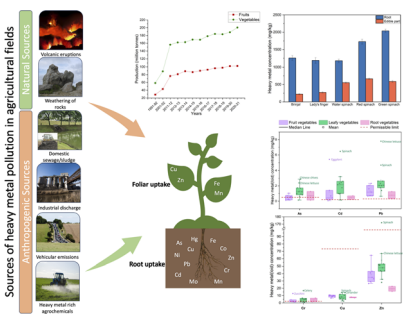
Elad Zabinsky.

EDITORIAL



CRITICAL REVIEWS



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Elemental answers

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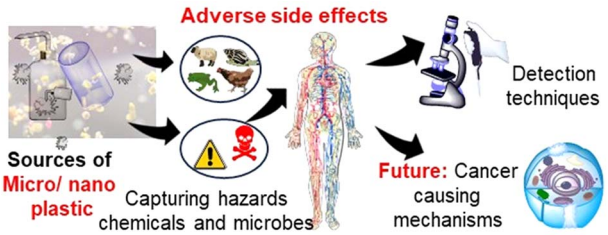

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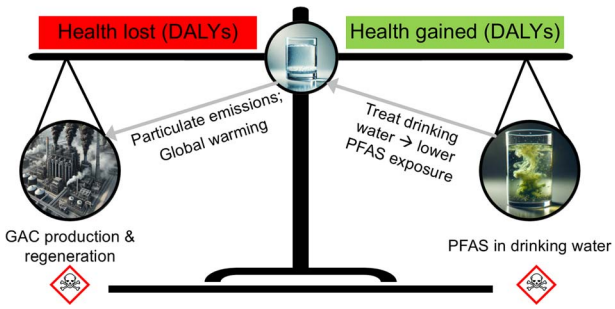

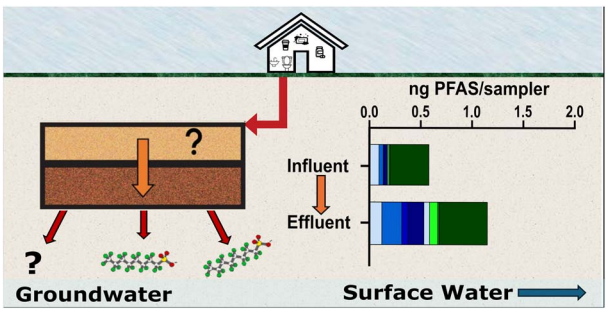

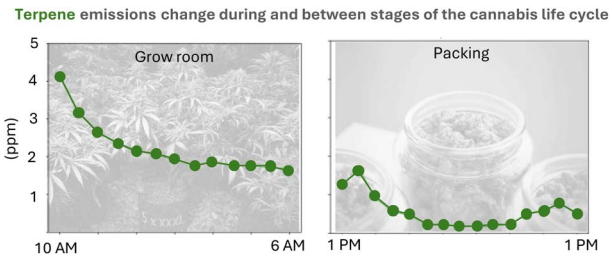

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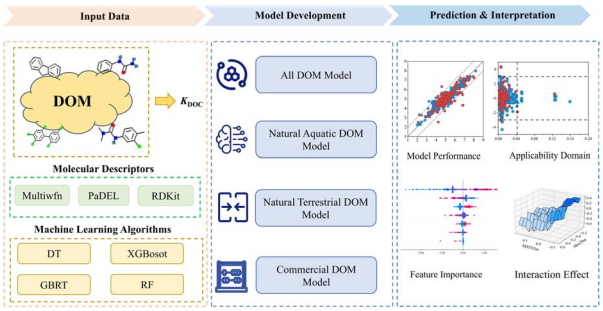
1889

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

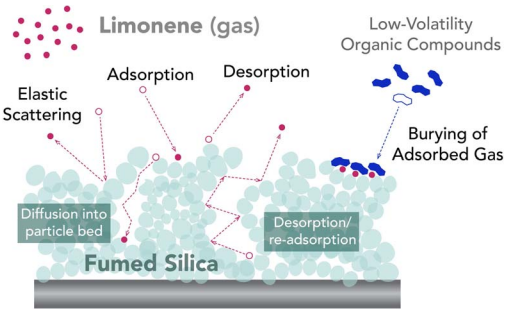
Ruyue Jin, Yuzhen Liang* and Zhenqing Shi



1902

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

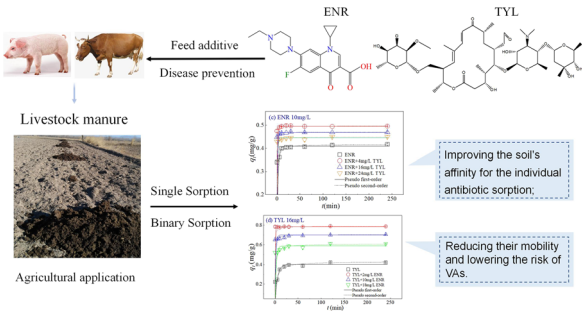
Ryan S. Reynolds, Kristen N. Johnson, Katelyn Pacaud, Michael Ezell, Pascale S. J. Lakey, Manabu Shiraiwa and Barbara J. Finlayson-Pitts*



1914

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

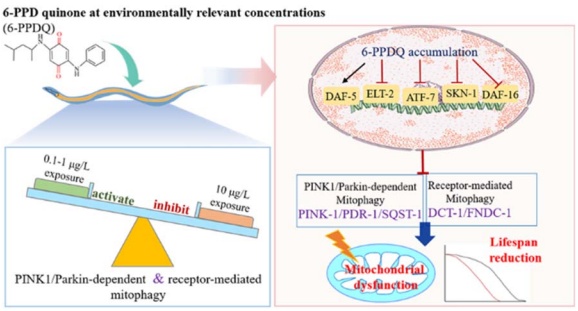
Zhanrong Jia, Yufeng Jiang,* Yanni Sun, Kui Huang and Yingqin Wu



1928

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*



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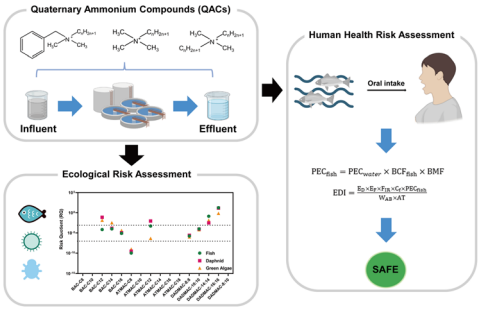
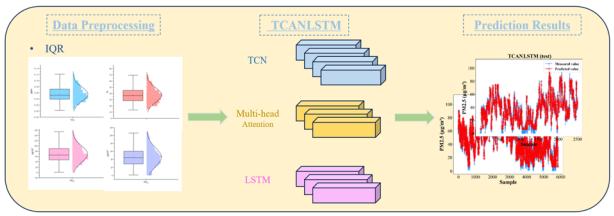
1941



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

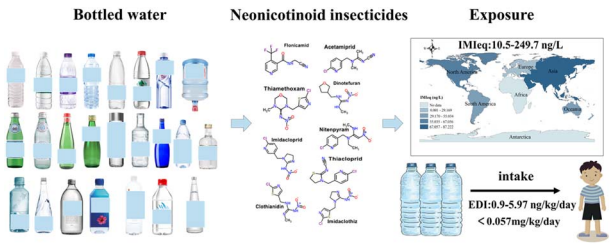
1951



An optimized TCN–LSTM model for predicting $PM_{2.5}$ in metro systems

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

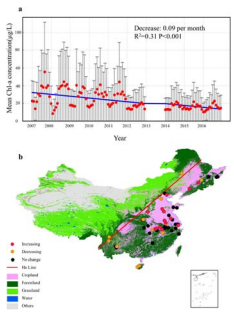
1960



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 chlorophyll-a concentration in China's lakes and its driving factors

Liwei Gao, Xin Huang, Xueqiang Lu, Yindong Tong, Jianfeng Feng, Yingying Xu and Yan Lin*

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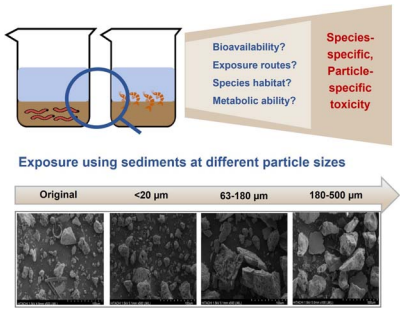
1988

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

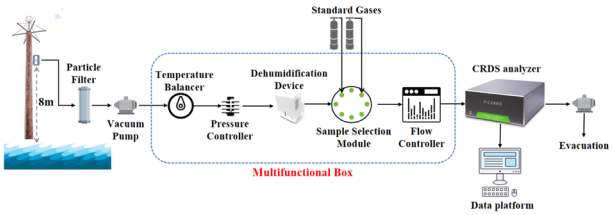
Hang Su, Jie Zhang, Huizhen Li* and Jing You



1998

Evaluation of emissions and spatial distribution of methane from offshore oil and gas platforms in the Liaodong Bay of China based on shipboard measurement

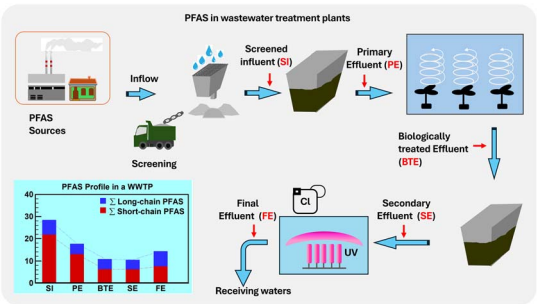
Yue Yu, Zongcai He, Qing Su, Xuemei Xu, Jiayi Cheng, Yue Ming, Xiaomeng Wang,* Hong Chen and Jianbo Han



2008

Distribution and variability of per- and polyfluoroalkyl substances (PFASs) across three categories of wastewater treatment plants in Kaohsiung, the industrial hub of Taiwan

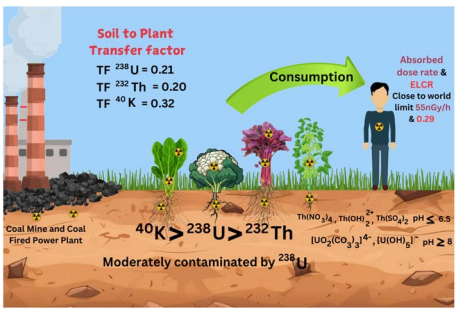
Chien-Hsing Wu, Li-Man Lin, Shu-fen Lin, Chih-Lung Wang, Bo-Wun Huang, Justus Kavita Mutuku* and Guo-Ping Chang-Chien*



2022

Spatial distribution and soil-to-plant transfer factors of radionuclides in agricultural soil around the Barapukuria coal mining site, Bangladesh

Tonima Parvin, Saiful Islam,* Jannatul Ferdous, Saurav Dey Shuvo and Pradip K. Bakshi



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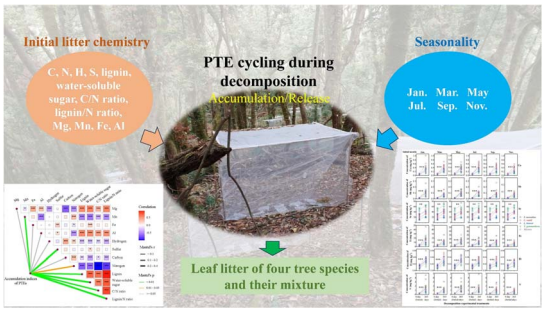
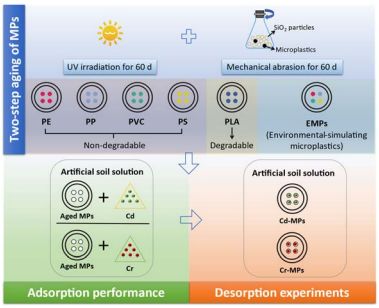


Initial litter chemistry and seasonality drive potentially toxic element cycling during decomposition in a subtropical forest: insights from monospecific and mixed litter

Juan Li, Yuntong Liu,* Chuansheng Wu and Xun Liu*

2049



Insight into the interactions between microplastics and heavy metals in agricultural soil solution: adsorption performance influenced by microplastic types

Yu-liang Liao, Chun-dan Gan, Xue Zhao, Xin-yue Du and Jin-yan Yang*

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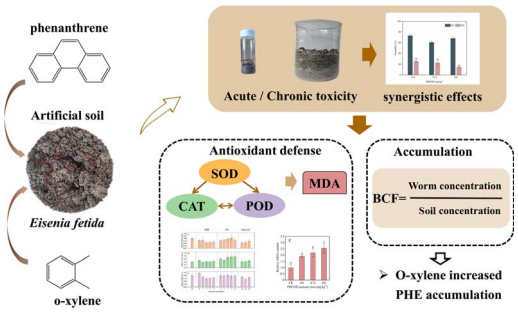
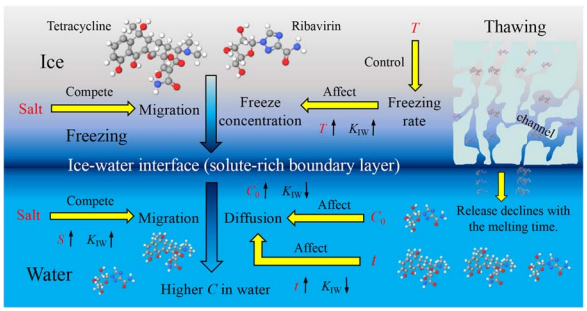


Increased phenanthrene toxicity to *Eisenia fetida* upon co-exposure to *o*-xylene

Guofeng Li, Zhongran Wu, Haifeng Chi, Shanna Lin and Chao Cai*

2074



Ice-water distribution of antibiotics and antiviral drugs during the freezing–thawing process: influencing factors and related mechanisms

Wenbin Wei, Linke Ge,* Siyuan Wang, Xuanyan Li, Peng Zhang and Jiahong Wang

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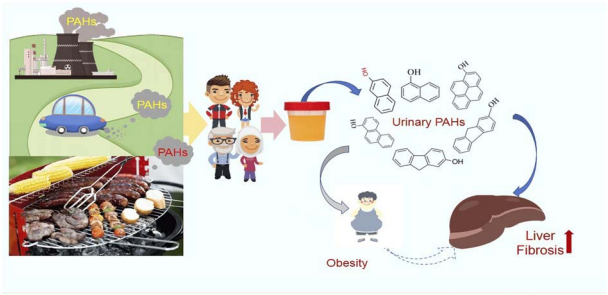

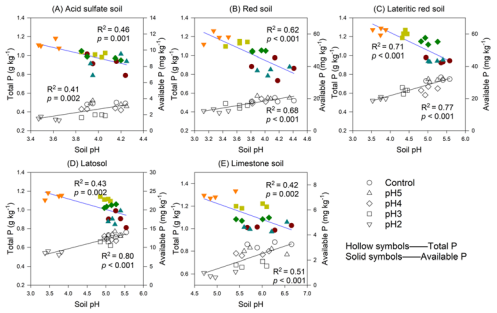

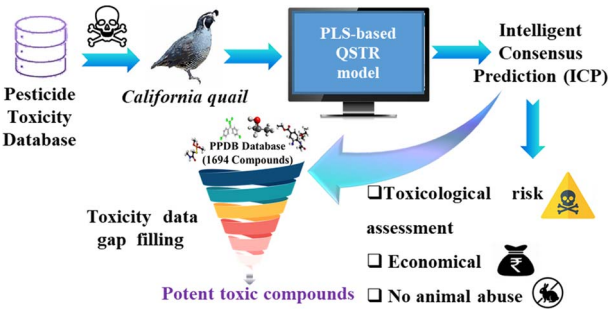

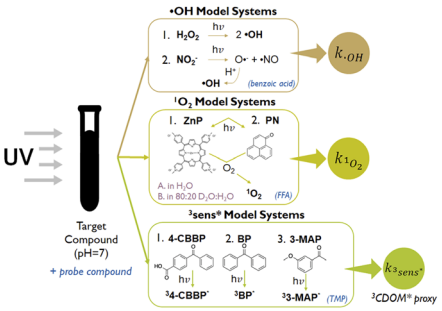

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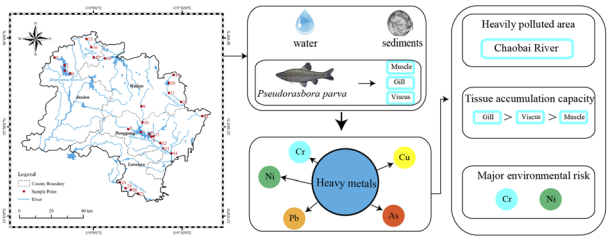

Distribution and potential ecological risks of heavy metals in water, sediments, and fish in the main rivers and reservoirs in Rizhao, China

Guoao Xie, Wenxia Wang, Yekai Sun, Chen Chen, Lijuan Cai, Yanqing Guo, Shah Saud, Haitao Chen, Xiuling Li* and Changwei Hu*

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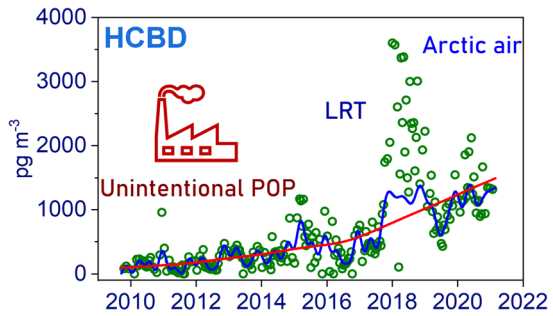

Improved sampling efficiency of volatile halomethoxybenzenes and persistent organic pollutants reveals increasing concentrations in Canadian air

Yu-Mei Hsu, Fiona Wong, Hayley Hung,* Chubashini Shunthirasingham, Wenlong Li, Nick Alexandrou, Helena Dryfhout-Clark, Cecilia Shin, Richard Park, Jared Chisamore, Artur Pajda, Ronald Noronha, Enzo Barresi, Phil Fellin and Henrik Li

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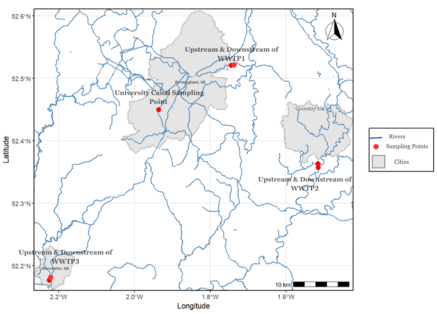

Microplastics in surficial sediments from some UK rivers and canals: seasonal and spatial variation and relationship with concentrations of organophosphate esters

Simeon Onoja,* Mohamed Abou-Elwafa Abdallah and Stuart Harrad

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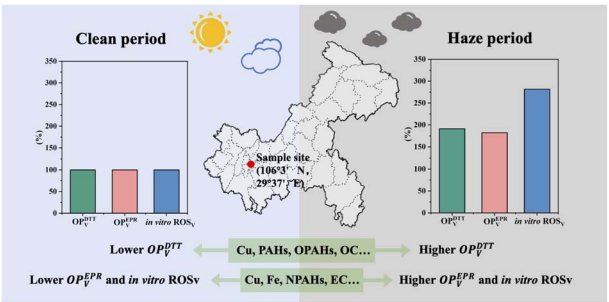

Health implications of wintertime fine particulate matter from southwestern China

Jinyitao Wang, Fang Zhou, Wei Zhang, Xinquan Zhao, Steven J. Campbell, Li Zhou, Jialiang Feng, Qingyan Fu, Arthur W. H. Chan, Fumo Yang, Mi Tian* and Shunyao Wang*

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Metagenomics research on PAH biodegradation in the lower reaches of the Shiwuli River in Chaohu, China

Huanling Wu, Binghua Sun and Jinhua Li*