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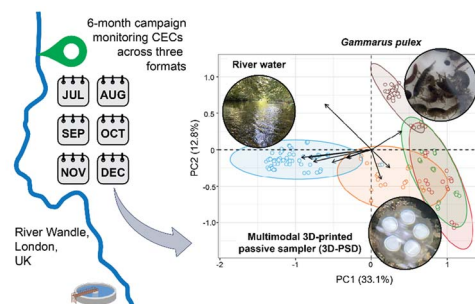


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42

## Multimodal 3D-printed passive samplers to monitor, model and prioritise *in situ* pharmaceutical and pesticide pollution risks to an aquatic freshwater invertebrate, *Gammarus pulex*

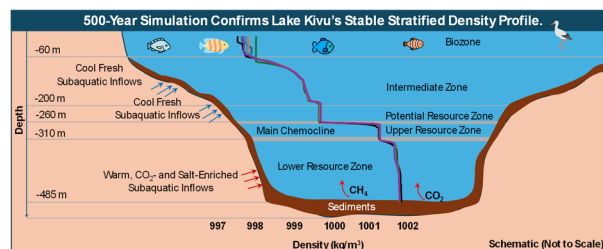
Alexandra K. Richardson, Stephen Stürzenbaum, David A. Cowan, David J. Neep and Leon P. Barron\*



56

## On the risk of a dissolved gas-triggered limnic eruption in Lake Kivu

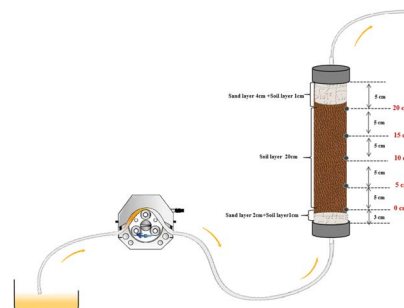
Hadi Saboorian-Jooybari and Hassan Hassanzadeh\*



74

## Clean water irrigation promotes microbial community recovery in acid mine drainage-contaminated paddy soil: a spatiotemporal analysis based on simulated soil column experiments from Dabaoshan mine, China

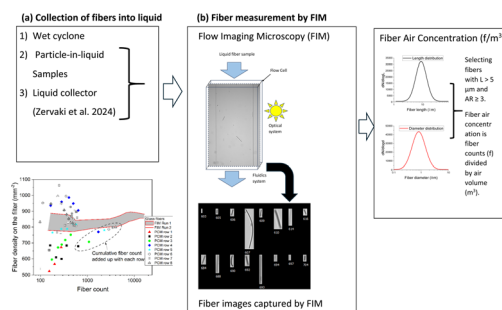
Yan Pan, Zhou Fang, Yuyang Chen, Jinju Zhang, Guining Lu, Zhi Dang and Chengfang Yang\*



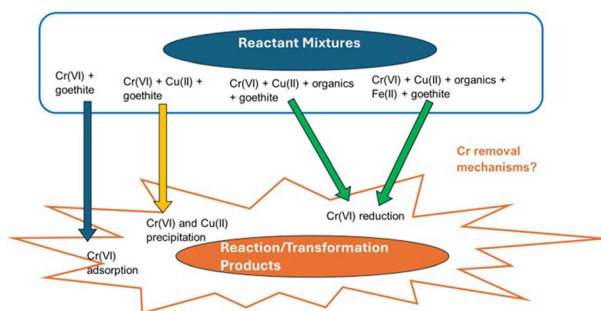
84

## Flow imaging microscopy-based method for rapid, high-throughput measurement of fiber count and length distributions in air

Bon Ki Ku\* and Pramod Kulkarni



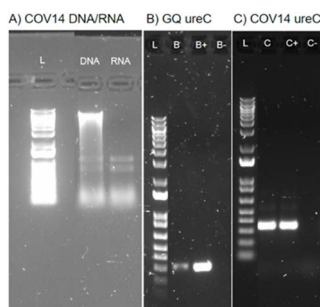
98



## Heterogeneous reactions control Cr(vi) release and sequestration in complex chemical mixtures of Cr, Fe, Cu, and organics

Noah Jemison,\* Angelica Benavidez, Michael Spilde, Angelica Saenz Trevizo, Adrian Brearley, Juan Lezama Pacheco, Drew Latta, Kaelin Gagnon, Stephen Emeanuwa, Fernando Garzon, Stephen Cabaniss, Peter Lichtner, Abdul-Mehdi Ali and José M. Cerrato\*

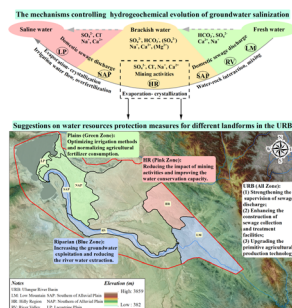
112



## Feasibility of microbial-induced calcite precipitation in soils polluted by hydrocarbons

Carla Comadran-Casas,\* Philip J. Salter, Ayo Ogundero, Fabien Cholet, Victor Barridor Giadom, William T. Sloan, Cindy J. Smith, Adrian M. Bass, John MacDonald, Cise Unluer and Caroline Gauchotte-Lindsay\*

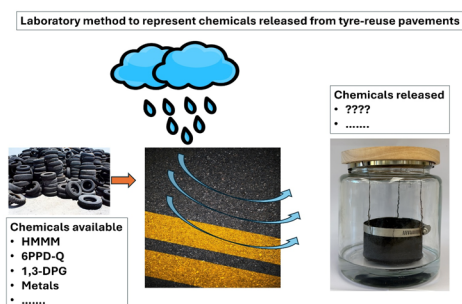
126



## Sources, geochemical characteristics, and control mechanisms of groundwater salinity: a case study of the Ulungur River Basin in northwest China

Chenyang Tian and Hua Tian\*

149



## A novel method for assessing chemical leaching from surface water–pavement interactions applied to recycled-tyre reuse products

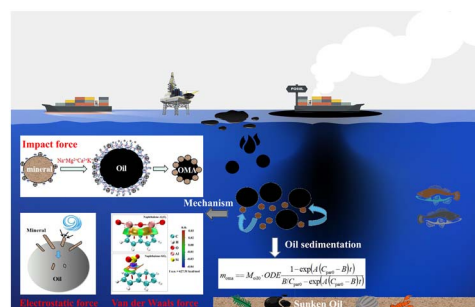
Prashant Srivastava,\* Mitzi Bolton, Naomi J. Boxall, Sonia Mayakaduwege, Avanthi Igalavithana, John L. Rayner and Greg B. Davis



160

### A new perspective for research on the mechanism and kinetic model of aggregation between coastal spilled oil and suspended sediment

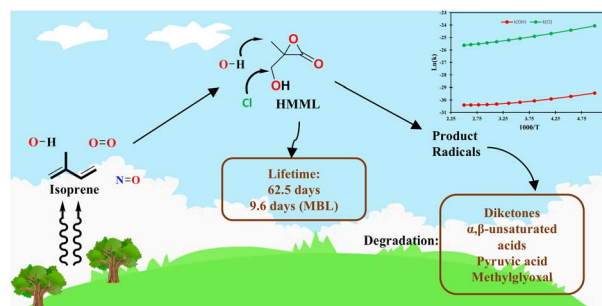
Wanran Li, Yue Yu,\* Deqi Xiong, Zhixin Qi and Xiaoan He



173

### Atmospheric oxidation of hydroxymethyl methyl $\alpha$ -lactone (HMML), initiated by OH radicals and Cl atoms

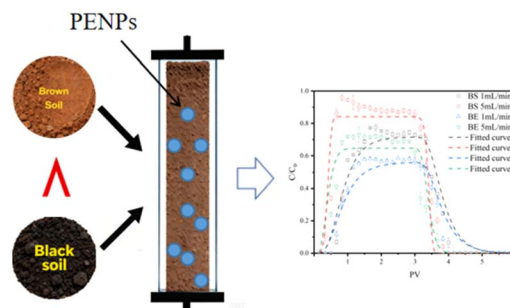
Samsung Raja Daimari, Rabu Ranjan Changmai and Manabendra Sarma\*



186

### Influence of physicochemical factors on the transport behavior of polyethylene nanoplastics in black soil and brown earth

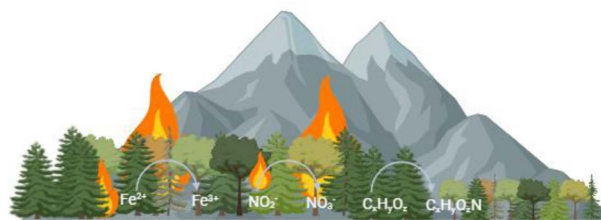
Qiong Liu, Ying Liu, Xiaobing Wang, Jingyi Li, Guangzhen Pang, Ke Feng and Xiaoli Wang\*



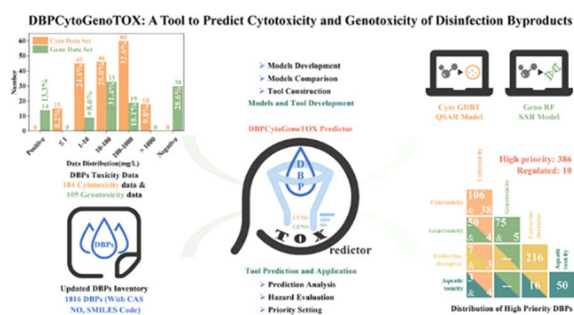
196

### Mobility of nitrogen in ashes and soils impacted by wildfires in northern California and Nevada

Travis Numan, Abrar Shahriar, Srinidhi Lokesh, Anil Timilsina, Sudarshan Basyal, Yasaman Raeofy, Simon R. Poulson, Vera Samburova and Yu Yang\*



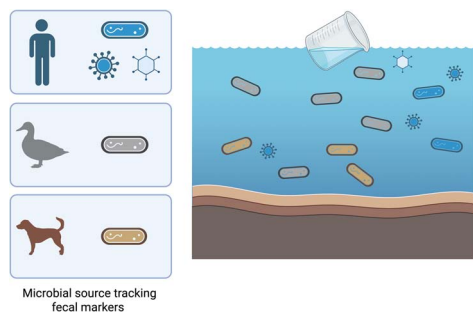
204



## Development of models and a tool (DBPCytoGenoTOX Predictor) for predicting the cytotoxicity and genotoxicity of disinfection byproducts

M. Y. Liu, H. H. Liu and X. H. Yang\*

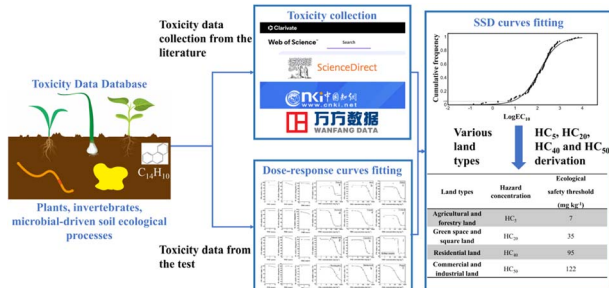
215



## Occurrence of novel human tomato brown rugose fruit virus and conventional microbial source tracking genetic markers in a Hawaiian coupled stream-beach system

Sarah A. Lowry, Adam Diedrich, Ella Lum, Orin C. Shanks and Alexandria B. Boehm\*

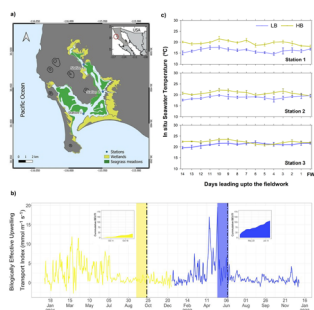
230



## Ecological safety thresholds for phenanthrene in Chinese soils: implications for assessing ecological risks to vegetation and for land use

Jiahui Zhu, Qian Yang, Jiawei Wang, Xuke Wang, Shuilin Zhu and Xinhua Zhan\*

240



## Regulation of ammonium loss under contrasting upwelling conditions: sensitivity of Feammox to environmental drivers

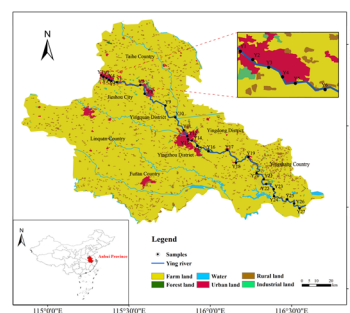
Guillermo Samperio-Ramos\*, Oscar Hernández-Sánchez, Jorge A. Velásquez-Aristizábal, Víctor F. Camacho-Ibar, Silvia Pajares, Aaron Gutiérrez, Ariadna Aldrich and Francisco J. Cervantes



256

## Quantitative assessment of Pb sources in urban–rural river sediments based on Pb isotopes and PMF and MixSIAR models

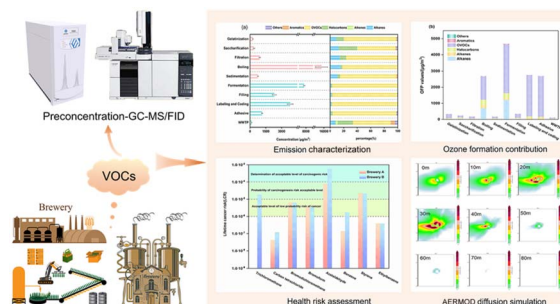
Shanshan Xi, Wei Wang, Lei Sun, Xing Chen,\*  
Jiamei Zhang and Fan Yu



268

## Process-based VOC emission characteristics, environmental impact and health risk assessment in typical breweries in Beijing

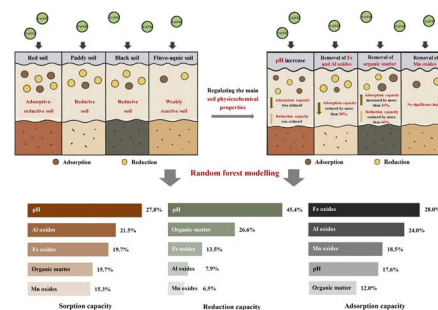
Huan Zhao, Hongna Ren, Hailin Wang, Yiwen Wang,  
Yiming Lu, Jie Cheng, Guoxia Jiang\* and Zhengping Hao\*



281

## Reduction and adsorption capacities of soils for Cr(VI) and quantitative contributions of key influencing factors

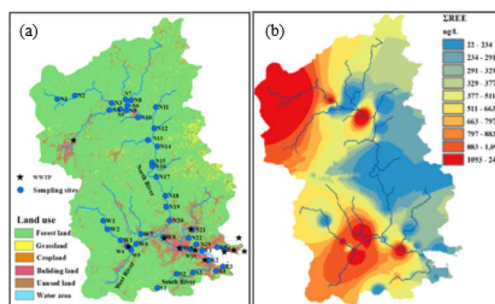
Ze Zhang, Libing Zheng, Xinru Zhai, Shi-Wei Li  
and Helian Li\*



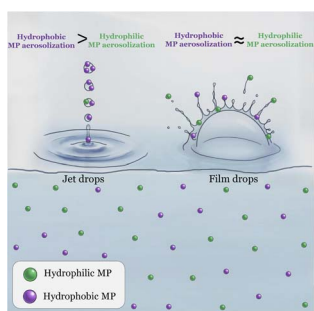
294

## Occurrence, ecological impact, and exposure risk of emerging contaminant REEs in a coastal river

Shunrong Ma and Guilin Han\*



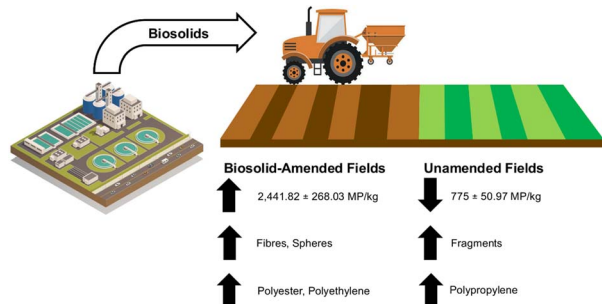
306



### Effect of wettability on microplastic aerosolization via film and jet drops ejected from bursting bubbles

Nishan Pokhrel and Hosein Foroutan\*

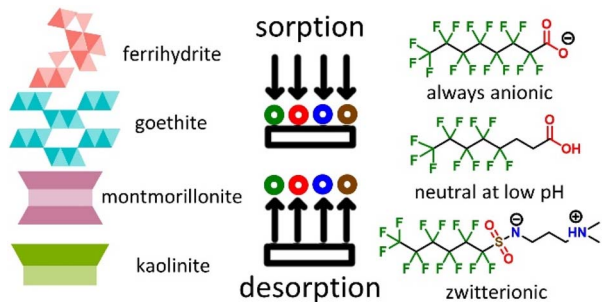
317



### Comparing the microplastic content in biosolid-amended and non-amended agricultural soils

Nicholas V. Letwin, Adam W. Gillespie, Joel D. Csajaghy, Yaryna M. Kudla, Moira M. Ijzerman and Ryan S. Prosser\*

330



### Sorption and desorption of per- and polyfluoroalkyl substances (PFASs) on unmodified iron oxide and silica clay minerals

Susannah Powell, Hongyi Ban, Yi Sang, Daewon Kim, Phillip J. Milner, Matthew Reid and Damian E. Helbling\*

## CORRECTION

343

### Correction: The sinking behavior of micro-nano particulate matter for bisphenol analogues in the surface water of an ecological demonstration zone, China

Yuanfei Cai, Jinghua Ren, Zijian You, Jianchao Liu,\* Guanghua Lu, Yiping Li and Junfeng Li

