

# Environmental Science: Atmospheres

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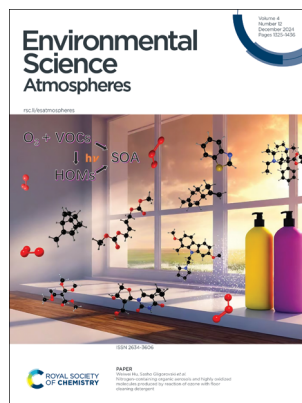
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## IN THIS ISSUE

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**Inside cover**  
See Weiwei Hu, Sasho Gligorovski *et al.*, pp. 1358–1367. Image reproduced by permission of Jinli Xu from *Environ. Sci.: Atmos.*, 2024, 4, 1358.

## CRITICAL REVIEW

1331

### Microplastics in Asia: overcoming sampling, analysis, and regulatory challenges to protect the ecosystem – a review

Sivamani Sivalingam,\* P. Gomathi Priya, D. Shanthana Lakshmi and Srinivas T. G. Srimath

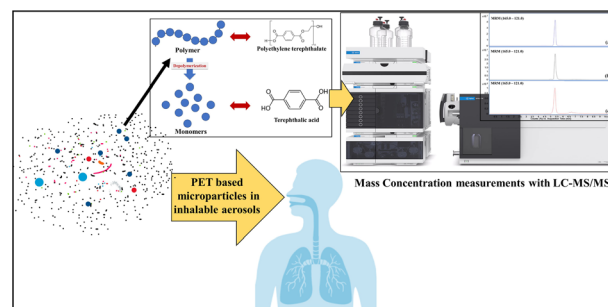


## COMMUNICATION

1352

### Determination of mass concentrations of airborne PET microplastics using liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS)

Durga Prasad Patnana and B. P. Chandra\*



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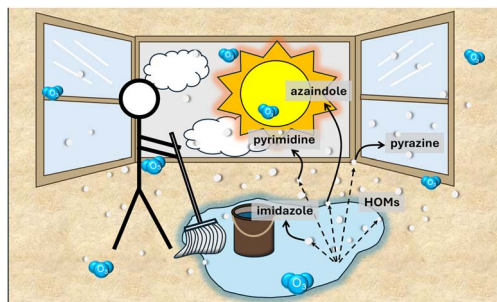
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1358

### Nitrogen-containing organic aerosols and highly oxidized molecules produced by reaction of ozone with floor cleaning detergent

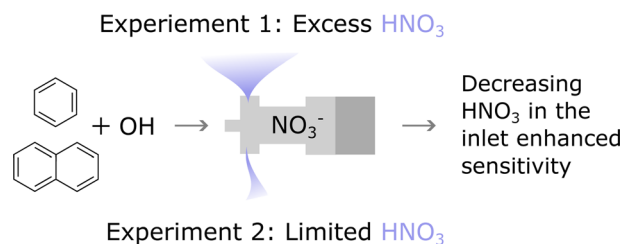
Jinli Xu, Tianle Pan, Tingting Feng, Yingkun Wang, Wei Chen, Weiwei Hu\* and Sasho Gligorovski\*



1368

### Enhanced detection of aromatic oxidation products using $\text{NO}_3^-$ chemical ionization mass spectrometry with limited nitric acid

Olga Garmash,\* Avinash Kumar, Sakshi Jha, Shawon Barua, Noora Hyttinen, Siddharth Iyer and Matti Rissanen\*

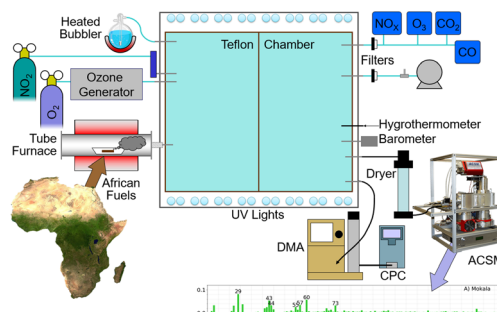


#### Nitrate ion-based chemical ionization MS

1382

### Real-time chemical characterization of primary and aged biomass burning aerosols derived from sub-Saharan African biomass fuels in smoldering fires

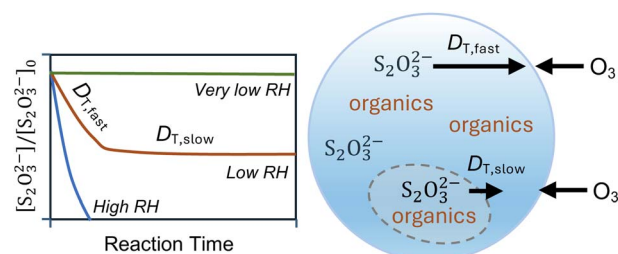
Markie'Sha James, Vaios Moschos, Megan M. McRee, Marc N. Fiddler, Barbara J. Turpin, Jason D. Surratt and Solomon Bililign\*



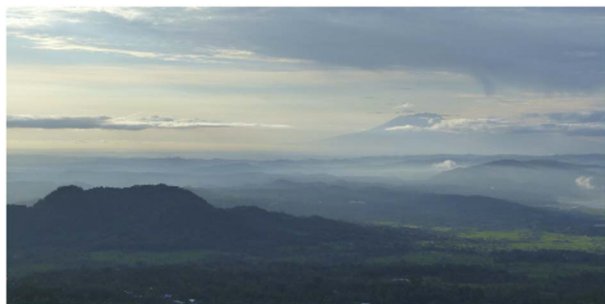
1398

### Probe molecular diffusivity in single ternary inorganic–organic microdroplets *via* interfacial ozonolysis of thiosulfate

Tzu-Chiao Hung, Feng-Yu Lin, Shao-Hung Hsu, Toshio Kasai and Yuan-Pin Chang\*



1413



## URMELL – part II: semi-explicit isoprene and aromatics gasSOA modelling

Marie Luise Luttkus,\* Erik Hans Hoffmann,  
Andreas Tilgner, Jana Wackermann, Hartmut Herrmann  
and Ralf Wolke

