

# Environmental Science: Atmospheres

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## IN THIS ISSUE

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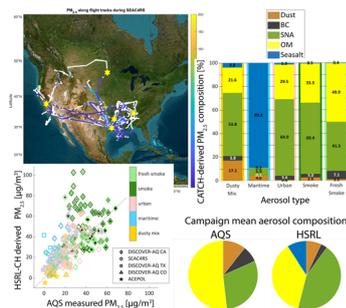
**Cover**  
See Bethany Sutherland and Nicholas Meskhidze, pp. 270–290. Image reproduced by permission of Nicholas Meskhidze from *Environ. Sci.: Atmos.*, 2025, 5, 270.

## PAPERS

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### Assessment of high spectral resolution lidar-derived $PM_{2.5}$ concentration from SEAC<sup>4</sup>RS, ACEPOL, and three DISCOVER-AQ campaigns

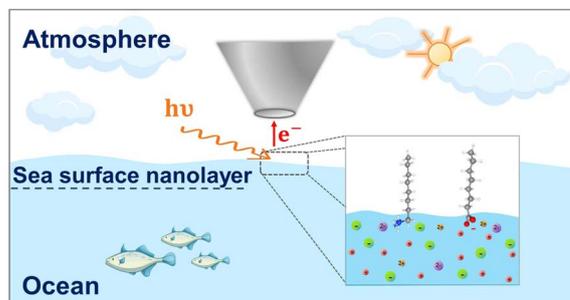
Bethany Sutherland and Nicholas Meskhidze\*



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### Interaction of ions and surfactants at the seawater–air interface

Shirin Gholami, Tillmann Buttersack, Clemens Richter, Florian Trinter, Rémi Dupuy, Louisa Cablitz, Qi Zhou, Christophe Nicolas, Andrey Shavorskiy, Dian Diaman, Uwe Hergenbahn, Bernd Winter and Hendrik Bluhm\*



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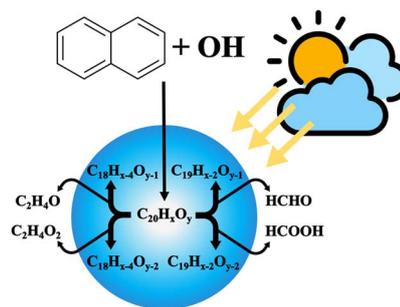
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### Photodegradation of naphthalene-derived particle oxidation products

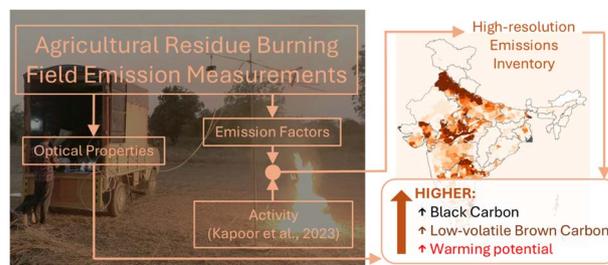
Félix Sari Doré, Cecilie Carstens, Jens Top, Yanjun Zhang, Clément Dubois, Sébastien Perrier, Imad El Haddad, David M. Bell\* and Matthieu Riva\*



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### Emissions from agricultural fires in India: field measurements of climate relevant aerosol chemical and optical properties

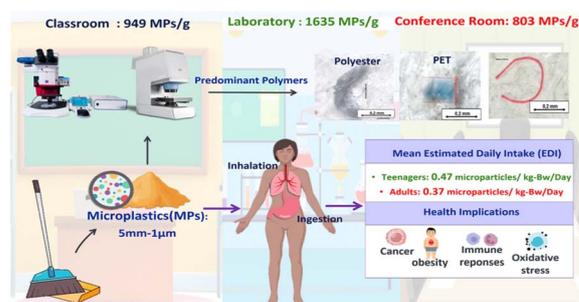
Taveen Singh Kapoor, Gupta Anurag, Chimurkar Navinya, Saurabh Lonkar, Kajal Yadav, Ramya Sunder Raman, Chandra Venkataraman and Harish C. Phuleria\*



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### Microplastics in settled dust from university indoor environments: Puerto Colombia, Colombia

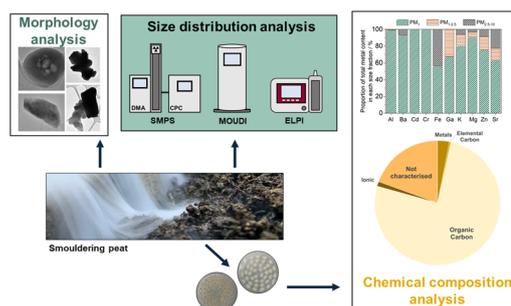
Maria Gabriela Avilés Valera, Victoria Andrea Arana Rengifo and Carlos David Grande-Tovar\*



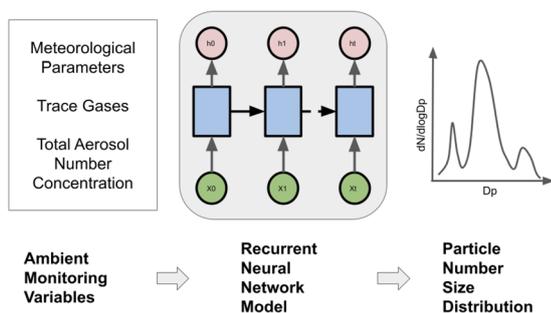
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### Particles emitted from smouldering peat: size-resolved composition and emission factors

Amy L. Wilson, Wuquan Cui, Yuqi Hu, Marta Chiapasco, Guillermo Rein, Alexandra E. Porter, Geoff Fowler and Marc E. J. Stettler\*



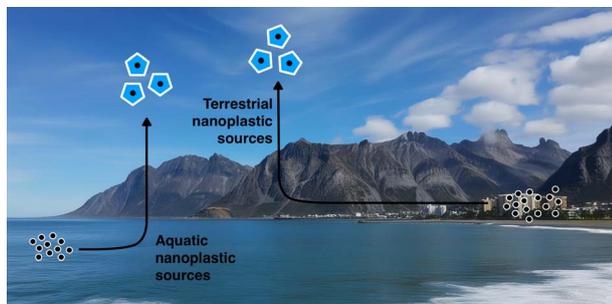
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### Estimating the atmospheric aerosol number size distribution using deep learning

Yusheng Wu,\* Martha Arbayani Zaidan, Runlong Cai, Jonathan Duplissy, Magdalena Okuljar, Katrianne Lehtipalo, Tuukka Petäjä and Juha Kangasluoma

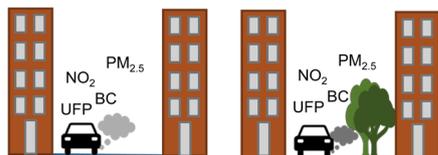
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### Ice nucleation onto model nanoplastics in the cirrus cloud regime

Omar Giralanda, Guangyu Li, Denise M. Mitrano, Christopher H. Dreimol and Zamin A. Kanji\*

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### Effect of street trees on local air pollutant concentrations (NO<sub>2</sub>, BC, UFP, PM<sub>2.5</sub>) in Rotterdam, the Netherlands

Juliane L. Fry,\* Pascale Ooms, Maarten Krol, Jules Kerckhoffs, Roel Vermeulen, Joost Wesseling and Sef van den Elshout

Are street-level air pollutant concentrations higher or lower in streets with more tree cover?

## CORRECTIONS

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### Correction: Assessing conditions favoring the survival of African dust-borne microorganisms during long-range transport across the tropical Atlantic

Ali Hossein Mardi, Miguel Ricardo A. Hilario, Regina Hanlon, Cristina González Martín, David Schmale, Armin Sorooshian and Hosein Foroutan\*



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**Correction: Numerical one-dimensional investigations on a multi-cylinder spark ignition engine using hydrogen/ethanol, hydrogen/methanol and gasoline in dual fuel mode**

Ufaith Qadiri\*

