

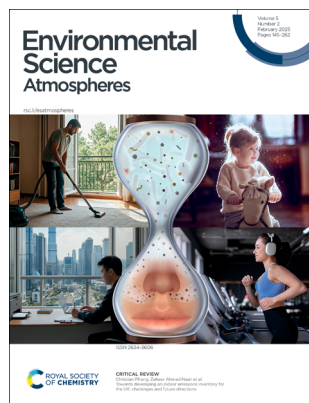
Environmental Science: Atmospheres

rsc.li/esatmospheres

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

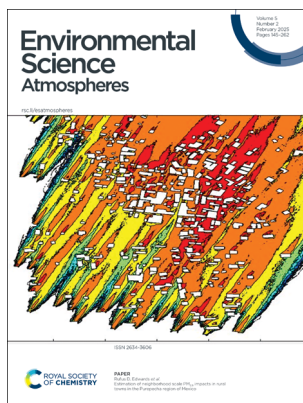
IN THIS ISSUE

ISSN 2634-3606 CODEN ESANC9 5(2) 145–262 (2025)



Cover

See Christian Pfrang, Zaheer Ahmad Nasir *et al.*, pp. 151–170. Image reproduced by permission of Sci-Comm Consulting Ltd [Authors] from *Environ. Sci.: Atmos.*, 2025, 5, 151. Images from Shutterstock.com. 'Man hoovering room/man at office desk' & 'Asian man at office desk with printer next to open window city scape' generated with Shutterstock AI.



Inside cover

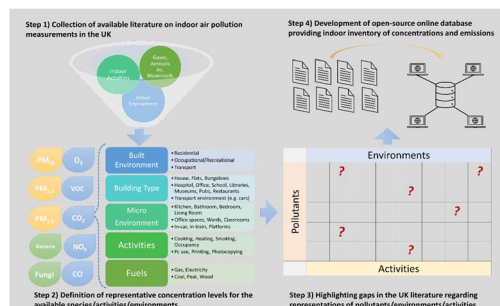
See Rufus D. Edwards *et al.*, pp. 171–180. Image reproduced by permission of Rufus D. Edwards from *Environ. Sci.: Atmos.*, 2025, 5, 171.

CRITICAL REVIEW

151

Towards developing an indoor emissions inventory for the UK: challenges and future directions

Andrea Mazzeo, Christian Pfrang* and Zaheer Ahmad Nasir*

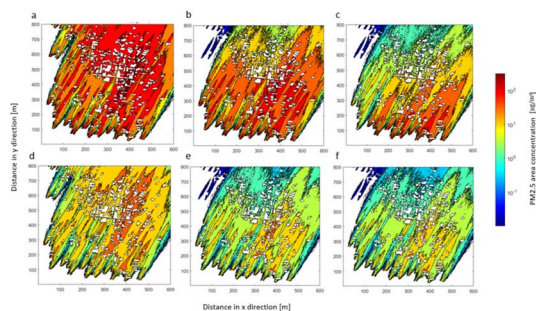


PAPERS

171

Estimation of neighborhood scale PM_{2.5} impacts in rural towns in the Purepecha region of Mexico

Yucheng He, Sanika R. Nishandar, Rufus D. Edwards,* Belén Olaya-García, Montserrat Serrano-Medrano, Víctor M. Ruiz-García, Víctor Berrueta, Marko Princevac and Omar Masera



Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning
that suits you.

**Courses in the classroom,
the lab, or online**

Find something for every
stage of your professional
development. Search our
database by:

- subject area
- location
- event type
- skill level

Members **get at least 10% off**

Visit rsc.li/cpd-training

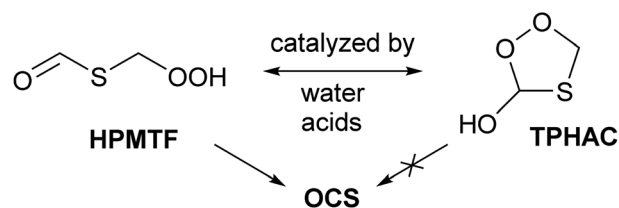
**SAVE
10%**



181

Perhemiacetal formation and Cl/NO₃-initiated chemistry of hydroperoxymethylthioformate (HPMTF) in atmospheric DMS oxidation

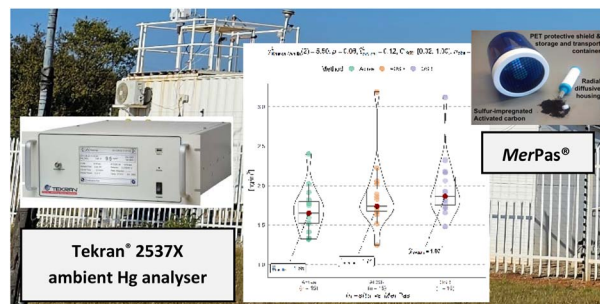
L. Vereecken,* A. Novelli, D. Taraborrelli and A. Wahner



191

Statistical assessment of an atmospheric mercury passive sampler at a regional site in South Africa

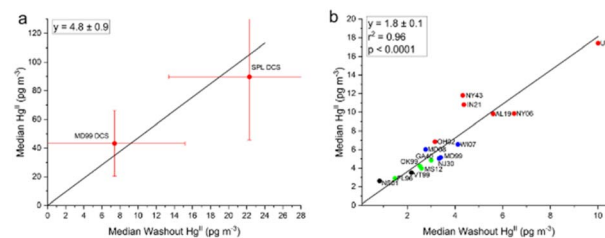
Xoliswa E. V. Job, Kerneels Jaars,* Pieter G. van Zyl, Katrina MacSween, Liezl Bredenkamp, Miroslav Josipovic, Lynwill G. Martin, Ville Vakkari, Markku Kulmala and Lauri Laakso



204

The effect of precipitation on gaseous oxidized and elemental mercury concentrations as quantified by two types of atmospheric mercury measurement systems

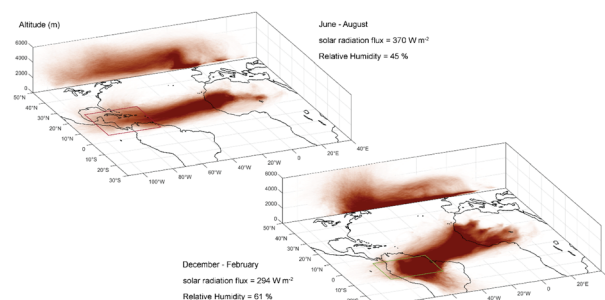
Peter S. Weiss-Penzias,* Seth N. Lyman, Tyler Elgiar, Lynne E. Gratz, Winston T. Luke, Gabriel Quevedo, Nicole Choma and Mae Sexauer Gustin

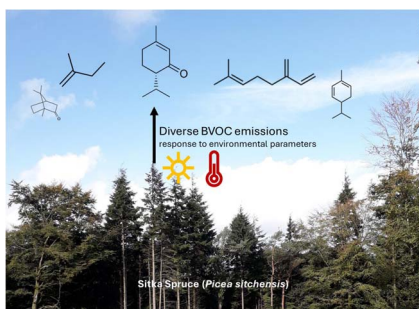


220

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*





Highly diverse emission of volatile organic compounds by Sitka spruce and determination of their emission pathways

Hayley Furnell, John Wenger, Astrid Wingler, Kieran N. Kilcawley, David T. Mannion, Iwona Skibinska and Julien Kammer*

