

Volume 41

Issue 15

May 2007

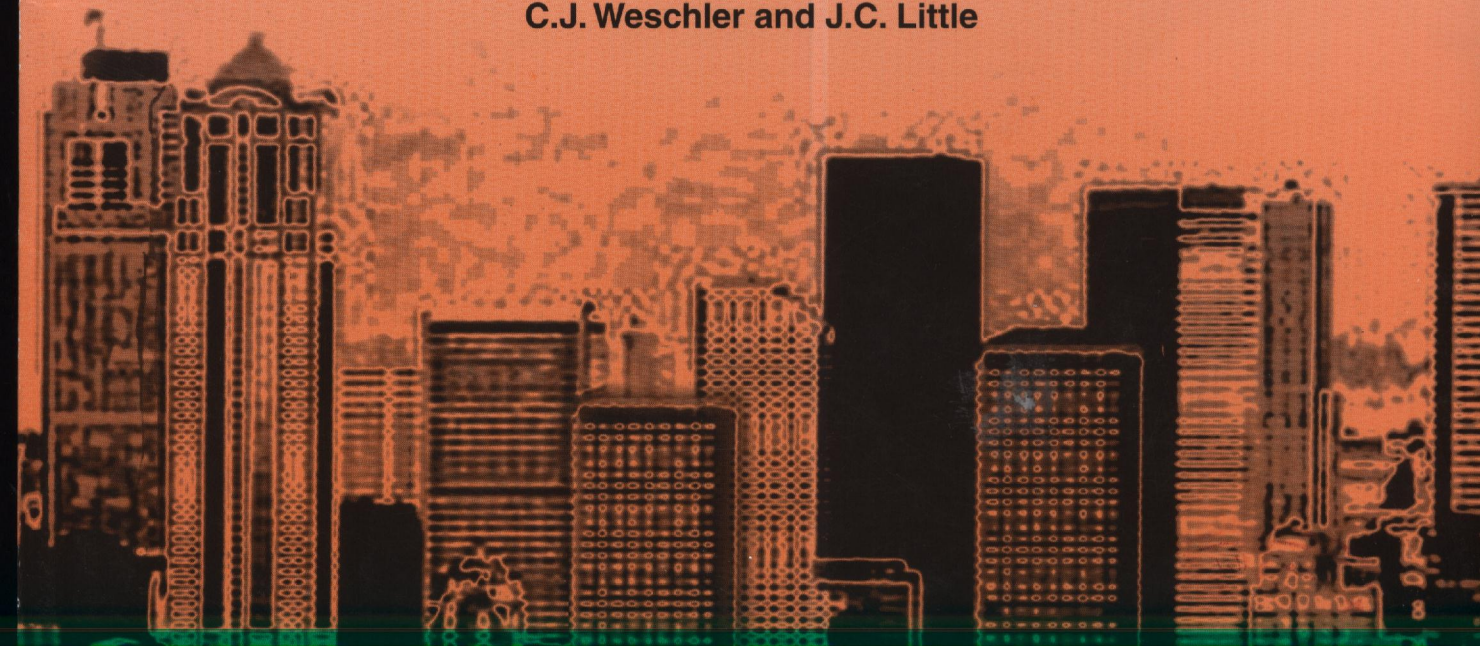
ISSN 1352-2310

# ATMOSPHERIC ENVIRONMENT

Special Issue: Indoor Air 2005 - 10th International Conference  
on Indoor Air Quality and Climate (Part I)

*Guest Editors*

C.J. Weschler and J.C. Little





# Indoor Air 2005 - 10th International Conference on Indoor Air Quality and Climate (Part 1)

*Guest Editors*

**C.J. Weschler and J.C. Little**

- C.J. Weschler and J.C. Little 3109 Chemical and physical factors that influence pollutant dynamics in indoor atmospheric environments
- E. Uhde and T. Salthammer 3111 Impact of reaction products from building materials and furnishings on indoor air quality—A review of recent advances in indoor chemistry
- M. Nicolas, O. Ramalho and F. Maupetit 3129 Reactions between ozone and building products: Impact on primary and secondary emissions
- T. Aoki and S.-i. Tanabe 3139 Generation of sub-micron particles and secondary pollutants from building materials by ozone reaction
- P. Zhao, J.A. Siegel and R.L. Corsi 3151 Ozone removal by HVAC filters from its concentration in selected room materials (Morrison et al.). Intriguingly, unexpected emissions from building materials can lead to unexpected emissions from building materials
- R.L. Corsi, J. Siegel, A. Karamalegos, H. Simon and G.C. Morrison 3161 Personal reactive clouds: Introducing the concept of near-head chemistry is possible to estimate the intensity and timing of past gas-phase exposures from the building products (Aoki & Tanabe and Morrison et al.).
- D. Poppendieck, H. Hubbard, M. Ward, C. Weschler and R.L. Corsi 3166 Ozone reactions with indoor materials during building disinfection. In these papers, fundamental understanding derived from the physical sciences has led to the immediate vicinity of the human head.
- H. Destailats, B.C. Singer and L.A. Gundel 3177 Evidence of acid-base interactions between amines and model indoor surfaces by ATR-FTIR spectroscopy of indoor pollutants.
- Y. Dong, Z. Bai, R. Liu and T. Zhu 3182 Decomposition of indoor ammonia with TiO<sub>2</sub>-loaded cotton woven fabrics prepared by different textile finishing methods (Xian et al.), and the decomposition of ammonia on specially prepared TiO<sub>2</sub>-loaded cotton fabrics.
- M. Risholm-Sundman, A. Larsen, E. Vestin and A. Weibull 3193 Formaldehyde emission—Comparison of different standard methods about the “roofed” atmospheric environment where we spend the majority of our time.
- Y. Zhang, X. Luo, X. Wang, K. Qian and R. Zhao 3203 Influence of temperature on formaldehyde emission parameters of dry building materials



*Contents continued*

- Photocopying  
Single copies of articles may be made for personal or internal use, or the copying or reproduction of a particular article for private or internal use, for advertising or promotional purposes, for general distribution, for resale or for other copying for advertising or promotional purposes, without charge, provided that the copier pays directly to Elsevier's Rights Department (see page 3) the appropriate fee for copying. For all other use, permission should be sought from Elsevier's Rights Department. For more information, see page 3.
- Y. Ni, K. Kumagai and Y. Yanagisawa 3235 Measuring emissions of organophosphate flame retardants using a passive flux sampler
- H. Yuan, J.C. Little and A.T. Hodgson 3241 Transport of polar and non-polar volatile compounds in polystyrene foam and oriented strand board
- B.C. Singer, A.T. Hodgson, T. Hotchi, K.Y. Ming, R.G. Sextro, E.E. Wood and N.J. Brown 3251 Sorption of organic gases in residential rooms
- A. Schieweck, W. Delius, N. Siwinski, W. Vogtenrath, C. Genning and T. Salthammer 3266 Occurrence of organic and inorganic biocides in the museum environment
- G.C. Morrison, J.C. Little, Y. Xu, M. Rao and D. Enke 3276 Gas-phase exposure history derived from material-phase concentration profiles

**Electronic Storage or Usage**

This journal is registered at the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA, phone: (+1) (978) 7508400, fax: (+1) (978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK, phone: (+44) (20) 76208500, fax: (+44) (20) 76208510, e-mail: permissions@elsevier.com. This journal is also registered at the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA, phone: (+1) (978) 7508400, fax: (+1) (978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK, phone: (+44) (20) 76208500, fax: (+44) (20) 76208510, e-mail: permissions@elsevier.com.

Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Elsevier. For more information, see page 3.

Address permission requests to: Elsevier Rights Department, at the fax and e-mail addresses above.

**Notice**  
No responsibility is assumed by the Publisher for any injury and/or damage to persons or property, or for any loss or damage to, or destruction of, any contents of any articles, or for any consequences arising from the use of the information contained in the material herein, because of the inherent variability of the physiological and behavioral responses of individuals. The appearance of advertising in this journal does not constitute an endorsement or approval by the Publisher of the quality or value of such product or of the claims made for it by its manufacturer.

Advertising information: Advertising orders and enquiries should be sent to: USA, Canada and South America: The Advertising Department, Elsevier Inc., 3251 River Street, San Diego, CA 92108, USA, phone: (+1) (619) 591 3333, fax: (+1) (619) 591 3334, e-mail: advertising@elsevier.com. Europe and ROW: Kairina Barton, Advertising Department, Elsevier Ltd., 84 Theobalds Road, London EC1A 3BF, UK, phone: (+44) (20) 7323 3700, fax: (+44) (20) 7323 3701, e-mail: advertising@elsevier.com. Japan: Elsevier Inc., 3-1-1, Higashi-Shinjuku, Shinjuku-ku, Tokyo 162-1555, Japan, phone: (+81) (3) 5561 5000, fax: (+81) (3) 5561 5001, e-mail: advertising@elsevier.com.

Orders, claims, and journal enquiries: Please contact the Customer Service Department at the Regional Sales Office nearest you.

Originals: The Advertising Department, Elsevier Inc., 3251 River Street, San Diego, CA 92108, USA, phone: (+1) (619) 591 3333, fax: (+1) (619) 591 3334, e-mail: advertising@elsevier.com. Europe and ROW: Kairina Barton, Advertising Department, Elsevier Ltd., 84 Theobalds Road, London EC1A 3BF, UK, phone: (+44) (20) 7323 3700, fax: (+44) (20) 7323 3701, e-mail: advertising@elsevier.com. Japan: Elsevier Inc., 3-1-1, Higashi-Shinjuku, Shinjuku-ku, Tokyo 162-1555, Japan, phone: (+81) (3) 5561 5000, fax: (+81) (3) 5561 5001, e-mail: advertising@elsevier.com.

Advertising information: Advertising orders and enquiries should be sent to: USA, Canada and South America: The Advertising Department, Elsevier Inc., 3251 River Street, San Diego, CA 92108, USA, phone: (+1) (619) 591 3333, fax: (+1) (619) 591 3334, e-mail: advertising@elsevier.com. Europe and ROW: Kairina Barton, Advertising Department, Elsevier Ltd., 84 Theobalds Road, London EC1A 3BF, UK, phone: (+44) (20) 7323 3700, fax: (+44) (20) 7323 3701, e-mail: advertising@elsevier.com. Japan: Elsevier Inc., 3-1-1, Higashi-Shinjuku, Shinjuku-ku, Tokyo 162-1555, Japan, phone: (+81) (3) 5561 5000, fax: (+81) (3) 5561 5001, e-mail: advertising@elsevier.com.