

General Information

- [Home](#)
- [Register an Account](#)
- [New Title Information Alerts](#)
- [Contact Us](#)

Transaction Series

- [Biomedicine and Health](#)
- [The Built Environment](#)
- [Ecology and the Environment](#)
- [Engineering Sciences](#)
- [Information and Communication Technologies](#)
- [Modelling and Simulation](#)
- [State of the Art in Science & Engineering](#)
- [View by Subject Area](#)
- [Advanced Search](#)

Related Information

- [Witpress Journals](#)
- [Witpress Bookstore](#)
- [Wessex Institute](#)

Welcome to the WIT eLibrary

The home of the Transactions of the Wessex Institute collection, providing on-line access to papers presented at the Institute's prestigious international conferences and from its State-of-the-Art in Science & Engineering publications.

Paper Information

Formaldehyde in indoor air: a public health problem?

Author(s): S. Viegas & J. Prista

Abstract:

Formaldehyde was the first air pollutant, which already in the 1970s emerged as a specifically non-industrial indoor air quality problem.

Yet formaldehyde remained an indoor air quality issue and the formaldehyde level in residential indoor air is among the highest of any indoor air contaminant. Formaldehyde concentrations in 4 different indoor settings (schools, office buildings, new dwellings and occupied dwellings) in Portugal were measured using Photo Ionization Detection (PID) equipment (11,7 eV lamps). All the settings presented results higher than the reference value proposed by Portuguese legislation.

Furthermore, occupied dwellings showed 3 units with results above the reference. We could conclude that formaldehyde presence is a reality in monitored indoor settings.

Concentration levels are higher than the Portuguese reference value for indoor settings and these can indicate health problems for occupants.

Keywords:

formaldehyde, indoor air, indoor settings, schools, office buildings, dwellings.

1 Introduction:

During the past several decades, indoor air pollution has become a public health concern.

Hundreds of illness outbreaks among occupants from new or recently ...

Pages: 8

Size: 297 kb

Paper DOI: 10.2495/AIR100261

Download the Full Article

Price: US\$ 30.00

You can purchase the full text version of this article in Adobe PDF format for the above price. Please click the 'Buy Paper' icon below to purchase this paper.



[Send this page to a colleague.](#)

Click Here to View All Papers from this Volume

This paper can be found in the following book

Air Pollution XVIII



[Buy Book from](#)

Login	
Login ID:	<input type="text"/>
Password:	<input type="password"/>
<input type="button" value="Sign In"/>	

Your Cart
There are 0 items in your cart. View

Adobe PDF Reader is required to view our papers:



Download the Full Article



You can purchase the full text version of this article in Adobe PDF format for the price listed above. Please click the 'Buy Paper' icon to the right to purchase this paper.