REVIEWS ON ENVIRONMENTAL HEALTH

EDITOR-IN-CHIEF

David Carpenter, New York Peter Sly, Queensland

EDITORIAL BOARD

John Edwards, Adelaide
Doug Brugge, Boston, MA
Fernando Diaz-Barriga, San Luis Potosi
H.I. Maibach, San Francisco, CA
Kyoung-Woong Kim, Gwangju
Michal Horowitz, Jerusalem
Paul-Bernard Tchounwou, Jackson, MS
Renato Stein, Porto Alegre
Shu Tao, Beijing
Simon Hales, Wellington
Susan Shaw, Blue Hill, ME
William Field, Iowa City, IA

ABSTRACTED/INDEXED IN Index Medicus, EMBASE/Excerpta Medica., MEDLINE

The publisher, together with the authors and editors, has taken great pains to ensure that all information presented in this work (programs, applications, amounts, dosages, etc.) reflects the standard of knowledge at the time of publication. Despite careful manuscript preparation and proof correction, errors can nevertheless occur. Authors, editors and publisher disclaim all responsibility for any errors or omissions or liability for the results obtained from use of the information, or parts thereof, contained in this work.

The citation of registered names, trade names, trademarks, etc. in this work does not imply, even in the absence of a specific statement, that such names are exempt from laws and regulations protecting trademarks etc. and therefore free for general use.

ISSN 0048-7554 · e-ISSN 2191-0308

All information regarding notes for contributors, subscriptions, Open access, back volumes and orders is available online at www.degruyter.com/reveh

RESPONSIBLE EDITOR(S)

Dr. David Carpenter, Director, Institute for Health and the Environment, University at Albany, Rensselaer, NY, USA, Email: dcarpenter@albany.edu Dr. Peter Sly, University of Queensland QCMRI, Royal Children's Hospital, Herston, Queensland, Australia, Email: p.sly@uq.edu.au

JOURNAL MANAGER Steffi Rudloff, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany, Tel.: +49 (0)30 260 05 – 245, Fax: +49 (0)30 260 05 – 246, Email: reveh.editorial@degruyter.com

RESPONSIBLE FOR ADVERTISEMENTS Claudia Neumann, De Gruyter, Genthiner Straße 13, 10785 Berlin, Germany. Tel.: +49 (0)30 260 05-226, Fax: +49 (0)30 260 05-264, Email: anzeigen@degruyter.com

© 2016 Walter de Gruyter GmbH, Berlin/Boston

TYPESETTING Compuscript Ltd., Shannon, Ireland

PRINTING Franz X. Stückle Druck und Verlag e.K., Ettenheim Printed in Germany

Cover Illustration: iStockphoto/Thinkstock



Contents

Editorial

David O. Carpenter and Peter D. Sly **Environmental chemicals as endocrine disruptors** —— **399**

Original Articles

Hanns Moshammer, Shifra Shahraki, Thomas Mondel and Patrik Gebhart

Lung function and dust in climbing halls: two pilot studies —— 401

Neha Singh, Hitesh Dhiman, Sadaf Shaikh, Purvish Shah, Roma Sarkar and Shashin Patel
High ambient noise levels in Vadodara City, India,
affected by urbanization — 409

Review Articles

Faizan Anwer, Savita Chaurasia and Abid Ali Khan Hormonally active agents in the environment: a state-ofthe-art review —— 415 Hannah Weinstangel, Irena Buka and Sandra Campbell Environmental pediatrics: an introduction and evaluation of online resources —— 435

Sock Yin Tan, Sarva Mangala Praveena, Emilia Zainal Abidin and Manraj Singh Cheema

A review of heavy metals in indoor dust and its human health-risk implications — 447

Leila Tavakkoli and Narges Khanjani Environmental and occupational exposure to cadmium in Iran: a systematic review —— 457

Emad Nazari and Fatihah Suja
Effects of 17β-estradiol (E2) on aqueous organisms and its treatment problem: a review —— 465

Sarah J. Starkey
Inaccurate official assessment of radiofrequency
safety by the Advisory Group on Non-ionising
Radiation —— 493