

# **Urban Environmental Pollution 2013**

## **Creating Healthy, Livable Cities**

**Procedia Environmental Sciences Volume 21**

**Beijing, China  
17 – 20 November 2013**

**Editors:**

**L. Beesley**

**ISBN: 978-1-63439-499-4**

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© by Elsevier B.V.  
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact Elsevier B.V.  
at the address below.

Elsevier B.V.  
Radarweg 29  
Amsterdam 1043 NX  
The Netherlands

Phone: +31 20 485 3911  
Fax: +31 20 485 2457

<http://www.elsevierpublishingsolutions.com/contact.asp>

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)



## Contents

Environmental Risks and Futures	
L. Beesley .....	1
Analysis of Urban Heat Island in Kochi, India, Using a Modified Local Climate Zone Classification	
G. Thomas, A.P. Sherin, S. Ansar, E.J. Zachariah .....	3
Atmospheric Methane Mixing Ratio in a South Indian Coastal City Interlaced by Wetlands	
G. Thomas, A.P. Sherin, E.J. Zachariah .....	14
Endogenous Nitrous Oxide Emission for Denitrifiers Acclimated with Different Organic Carbons	
G. Wu, X. Zhai, B. Li, C. Jiang, Y. Guan .....	26
Novel Approach for Processing Hazardous Electronic Waste	
R. Rajarao, V. Sahajwalla, R. Cayumil, M. Park, R. Khanna .....	33
A Novel Recycling Approach for Transforming Waste Printed Circuit Boards into a Material Resource	
R. Khanna, R. Cayumil, P.S. Mukherjee, V. Sahajwalla .....	42