ournal nati ional nvironmental ene

A Joint Publication of ACGIH® and AIHA®

NOW COVERED BY ISI

IN THIS ISSUE

Sports Officials' Hearing Status: Whistle Use as a Factor Contributing to Hearing Trouble

Occupational and Recreational Noise Exposure from Indoor Arena Hockey Games

Solar UV Exposure at Eye Is Different from Environmental UV: Diurnal Monitoring at Different Rotation Angles Using a Manikin

Ion Mobility Spectrometry as a Tool in Evaluating the Efficacy of Cleaning Protocol for Clandestine Methamphetamine Laboratory Remediation

Fertilizer Use and Self-Reported Respiratory and Dermal Symptoms Among Tree Planters

Exposure Limit Values for Nanomaterials-Capacity and Willingness of Users to Apply a Precautionary Approach







Journal of Occupational and Environmental Hygiene

tal Health

Volume 10, Number 1 January 2013

A Joint Publication of AIHA [®] and ACGIH [®] EDITOR IN CHIEF Mark Nicas, PhD, CIH mnicas@berkeley.edu	Departments Case Study Kwang-Min Choi Tai-Hyoung Kim Kwan-Sick Kim Soo-Geun Kim	D1	Engineering Case Report <i>P. Chakravarty</i> <i>Brad Kovar</i>	D11
EXECUTIVE COLUMN EDITOR Leo T. Old, CIH, PE, CHFM leo.old@stjude.org PUBLISHERS Tony Rizzuto, CAE trizzuto@acgih.org Peter O'Neil, CAE	Case Study Ronald M. Hall Chandran Achutan Ron Sollberger Robert E. McCleery Manuel Rodriguez	D6	Continuing Education— "The Action Level" [®]	D17
poneil@aiha.org				
MANAGING EDITOR Ed Rutkowski erutkowski@aiha.org	Sports Officials' Hearing Status: Whistle Use as a Factor Contributing to Hearing Trouble <i>Gregory A. Flamme and Nathan Williams</i>			1
ASSOCIATE EDITOR Sheila Brown sbrown@aiha.org SENIOR EDITORIAL ASSISTANT	 Occupational and Recreational Noise Exposure from Indoor Arena Hockey Games <i>Cory J. Cranston, William J. Brazile, Delvin R. Sandfort,</i> <i>and Robert W. Gotshall</i> Solar UV Exposure at Eye Is Different from Environmental UV: Diurnal Monitoring at Different Rotation Angles Using a Manikin <i>Liwen Hu, Qian Gao, Na Gao, Guangcong Liu, Yang Wang,</i> <i>Huizhi Gong, and Yang Liu</i> 			11
Norma Firestone nstone@berkeley.edu MISSION STATEMENT				17
The Journal of Occupational and Envi- ronmental Hygiene is published to enhance the knowledge and practice of occupational and environmental hygiene and safety. The journal provides a written medium for the communication of ideas, methods, pro- cesses, and research in the areas of occupa-	Ion Mobility Spectrometry as a Tool in Evaluating the Efficacy of Cleaning Protocol for Clandestine Methamphetamine Laboratory Remediation Holly McCall, Jordan Moran, Brittany Yeager, and Suzanne Bell			26
tional, industrial, and environmental hy- giene; exposure assessment; engineering controls; occupational and environmental epidemiology, medicine, and toxicology; er- gonomics; and other related disciplines.	Fertilizer Use and Self-Reported Respiratory and Dermal Symptoms Among Tree Planters <i>Melanie Gorman Ng, Ernst Stjernberg, Mieke Koehoorn,</i> <i>Paul A. Demers, Meghan Winters, and Hugh W. Davies</i>			36
http://oeh.informaworld.com	Exposure Limit Values for Nanomaterials—Capacity and Willingness of Users to Apply a Precautionary Approach <i>Pieter van Broekhuizen and Bärbel Dorbeck-Jung</i>			46
Defining the Science of				