

ENVIRONMENTAL HEALTH PERSPECTIVES, november 2011, ročník 119, číslo 11



FOCUS

Mountaintop Removal Mining: Digging Into Community Health Concerns

David C. Holzman

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Mountaintop removal (MTR) mining, a major form of coal mining in West Virginia and Kentucky, is controversial because of its environmental impacts. New research studies are beginning to link environmental impacts of MTR mining to adverse outcomes in community health, raising questions about whether the benefits of this technology come at too high a health cost.

FORUM

The Mixed Blessing of Phosphor-Based White LEDs

Angela Spivey
A472–A473 | <http://dx.doi.org/10.1289/ehp.119-A472>

Dryer Vents: An Overlooked Source of Pollution?

Rebecca Kessler
A474–A475 | <http://dx.doi.org/10.1289/ehp.119-A474a>

The Beat

Erin E. Dooley
A474–A475 | <http://dx.doi.org/10.1289/ehp.119-A474b>

SPHERES OF INFLUENCE



Are We on the Same Page? Action Agenda of the National Conversation on Public Health and Chemical Exposures

Valerie J. Brown
A484–A487 | <http://dx.doi.org/10.1289/ehp.119-A484>

Opinions vary on how best to study, regulate, and limit exposures to hazardous chemicals. The National Conversation on Public Health and Chemical Exposures—a collaboration of community-based environmental justice groups, professional and industry associations, and state and federal government agencies—sought to find common ground in this diversity of opinion. The result was a June 2011 Action Agenda of recommendations for reducing and preventing hazardous chemical exposures.

SCIENCE SELECTIONS

An Emotional Bond: The Relationship between Maternal Stress and Offspring Disease

Tanya Tillett
A488 | <http://dx.doi.org/10.1289/ehp.119-A488a>

Photochemical Finish: Assessing the Genomic Impact of Secondary Air Pollutants

Bob Weinhold
A488 | <http://dx.doi.org/10.1289/ehp.119-A488b>

Formaldehyde Connection: Modeled Exposure Linked to Lower Respiratory Infections in Infants

Julia R. Barrett
A489 | <http://dx.doi.org/10.1289/ehp.119-A489a>

Poultry Relief? Organic Farming May Reduce Drug Resistance

Wendee Holtcamp
A489 | <http://dx.doi.org/10.1289/ehp.119-A489b>

COMMENTARIES

Status of Legislation and Regulatory Control of Public Health Pesticides in Countries Endemic with or at Risk of Major Vector-Borne Diseases

Graham Matthews, Morteza Zaim, Rajpal Singh Yadav, Agnes Soares, Jeffrey Hii, Birkinsh Ameneshewa, Abraham Mnzava, Aditya Prasad Dash, Mikhail Ejov, Soo Hian Tan, Henk van den Berg
1517–1522 | <http://dx.doi.org/10.1289/ehp.1103637>

The Environmental Polymorphism Registry: A Unique Resource that Facilitates Translational Research of Environmental Disease

Patricia C. Chulada, Enrikas Vainorius, Stavros Garantziotis, Lauranell H. Burch, Perry J. Blackshear, Darryl C. Zeldin
1523–1527 | <http://dx.doi.org/10.1289/ehp.1003348>

Global Methylation in Exposure Biology and Translational Medical Science

Heather H. Nelson, Carmen J. Marsit, Karl T. Kelsey
1528–1533 | <http://dx.doi.org/10.1289/ehp.1103423>

Mobile Phones, Brain Tumors, and the Interphone Study: Where Are We Now?

Anthony J. Swerdlow, Maria Feychting, Adele C. Green, Leeka Kheifets, David A. Savitz
1534–1538 | <http://dx.doi.org/10.1289/ehp.1103693>

REVIEWS

Informing Selection of Nanomaterial Concentrations for ToxCast in Vitro Testing Based on Occupational Exposure Potential

Sumit Gangwal, James S. Brown, Amy Wang, Keith A. Houck, David J. Dix, Robert J. Kavlock, Elaine A. Cohen Hubal
1539–1546 | <http://dx.doi.org/10.1289/ehp.1103750>

A Meta-analysis of Asbestos and Lung Cancer: Is Better Quality Exposure Assessment Associated with Steeper Slopes of the Exposure–Response Relationships?

Virissa Lenters, Roel Vermeulen, Sies Dogger, Leslie Stayner, Lützen Portengen, Alex Burdorf, Dick Heederik
1547–1555 | <http://dx.doi.org/10.1289/ehp.1002879>

RESEARCH

Secondhand Smoke Exposure and Coronary Artery Calcification among Nonsmoking Participants of a Population-Based Cohort

Frank Peinemann, Susanne Moebus, Nico Dragano, Stefan Möhlenkamp, Nils Lehmann, Hajo Zeeb, Raimund Erbel, Karl-Heinz Jöckel, Barbara Hoffmann
1556–1561 | <http://dx.doi.org/10.1289/ehp.1003347>

Intervention to Lower Household Wood Smoke Exposure in Guatemala Reduces ST-Segment Depression on Electrocardiograms

John McCracken, Kirk R. Smith, Peter Stone, Anaité Díaz, Byron Arana, Joel Schwartz
1562–1568 | <http://dx.doi.org/10.1289/ehp.1002834>

Benzo[a]pyrene Reduces Testosterone Production in Rat Leydig Cells via a Direct Disturbance of Testicular Steroidogenic Machinery

Jin-Yong Chung, Yoon-Jae Kim, Ji Young Kim, Seung Gee Lee, Ji-Eun Park, Won Rok Kim, Yong-Dal Yoon, Ki Soo Yoo, Young Hyun Yoo, Jong-Min Kim
1569–1574 | <http://dx.doi.org/10.1289/ehp.1003391>

Permanent Oviduct Posteriorization after Neonatal Exposure to the Phytoestrogen Genistein

Wendy N. Jefferson, Elizabeth Padilla-Banks, Jazma Y. Phelps, Kevin E. Gerrish, Carmen J. Williams
1575–1582 | <http://dx.doi.org/10.1289/ehp.1104018>

A Toxicogenomic Comparison of Primary and Photochemically Altered Air Pollutant Mixtures

Julia E. Rager, Kim Lichtveld, Seth Ebersviller, Lisa Smeester, Ilona Jaspers, Kenneth G. Sexton, Rebecca C. Fry
1583–1589 | <http://dx.doi.org/10.1289/ehp.1003323>

Retinoic Acid Drives Aryl Hydrocarbon Receptor Expression and Is Instrumental to Dioxin-Induced Toxicity during Palate Development

Hugues Jacobs, Christine Dennefeld, Betty Féret, Matti Viluksela, Helen Håkansson, Manuel Mark, Norbert B. Ghyselinck
1590–1595 | <http://dx.doi.org/10.1289/ehp.1003075>

Environmental Impact on Vascular Development Predicted by High-Throughput Screening

Nicole C. Kleinstreuer, Richard S. Judson, David M. Reif, Nisha S. Sipes, Amar V. Singh, Kelly J. Chandler, Rob DeWoskin, David J. Dix, Robert J. Kavlock, Thomas B. Knudsen
1596–1603 | <http://dx.doi.org/10.1289/ehp.1103412>

Chronic Oral Exposure to Bisphenol A Results in a Nonmonotonic Dose Response in Mammary Carcinogenesis and Metastasis in MMTV-erbB2 Mice

Sarah Jenkins, Jun Wang, Isam Eltoum, Renee Desmond, Coral A. Lamartiniere
1604–1609 | <http://dx.doi.org/10.1289/ehp.1103850>

Suicide and Pesticide Use among Pesticide Applicators and Their Spouses in the Agricultural Health Study

John D. Beard, David M. Umbach, Jane A. Hoppin, Marie Richards, Michael C. R. Alavanja, Aaron Blair, Dale P. Sandler, Freya Kamel
1610–1615 | <http://dx.doi.org/10.1289/ehp.1103413>

Lung Cancer and Cardiovascular Disease Mortality Associated with Ambient Air Pollution and Cigarette Smoke: Shape of the Exposure–Response Relationships

C. Arden Pope, Richard T. Burnett, Michelle C. Turner, Aaron Cohen, Daniel Krewski, Michael Jerrett, Susan M. Gapstur, Michael J. Thun
1616–1621 | <http://dx.doi.org/10.1289/ehp.1103639>

Lower Prevalence of Antibiotic-Resistant Enterococci on U.S. Conventional Poultry Farms that Transitioned to Organic Practices

Amy R. Sapkota, R. Michael Hulet, Guangyu Zhang, Patrick McDermott, Erinna L. Kinney, Kellogg J. Schwab, Sam W. Joseph
1622–1628 | <http://dx.doi.org/10.1289/ehp.1003350>

Relative Bioavailability and Bioaccessibility and Speciation of Arsenic in Contaminated Soils

Karen D. Bradham, Kirk G. Scheckel, Clay M. Nelson, Paul E. Seales, Grace E. Lee, Michael F. Hughes, Bradley W. Miller, Aaron Yeow, Thomas Gilmore, Sophia M. Serda, Sharon Harper, David J. Thomas
1629–1634 | <http://dx.doi.org/10.1289/ehp.1003352>

Seasonal Variation in TP53 R249S-Mutated Serum DNA with Aflatoxin Exposure and Hepatitis B Virus Infection

Stéphanie Villar, Emilie Le Roux-Goglin, Doriane A. Gouas, Amelie Plymoth, Gilles Ferro, Mathieu Boniol, Myriam Lereau, Ebrima Bah, Andrew J. Hall, Christopher P. Wild, Maimuna Mendy, Helene Norder, Marianne van der Sande, Hilton Whittle, Marlin D. Friesen, John D. Groopman, Pierre Hainaut
1635–1640 | <http://dx.doi.org/10.1289/ehp.1103539>

A Case-Referent Study of Lung Cancer and Incense Smoke, Smoking, and Residential Radon in Chinese Men

Lap Ah Tse, Ignatius Tak-sun Yu, Hong Qiu, Joseph Siu Kai Au, Xiao-rong Wang
1641–1646 | <http://dx.doi.org/10.1289/ehp.1002790>

CHILDREN'S HEALTH

Stress during Pregnancy and Offspring Pediatric Disease: A National Cohort Study

Marion Tegethoff, Naomi Greene, Jørn Olsen, Emmanuel Schaffner, Gunther Meinlschmidt
1647–1652 | <http://dx.doi.org/10.1289/ehp.1003253>

Formaldehyde Exposure and Lower Respiratory Infections in Infants: Findings from the PARIS Cohort Study

Céline Roda, Isabelle Kousignian, Chantal Guihenneuc-Jouyau, Claire Dassonville, Ioannis Nicolis, Jocelyne Just, Isabelle Momas
1653–1658 | <http://dx.doi.org/10.1289/ehp.1003222>

Isomer Profiles of Perfluorochemicals in Matched Maternal, Cord, and House Dust Samples: Manufacturing Sources and Transplacental Transfer

Sanjay Beesoon, Glenys M. Webster, Mahiba Shoeib, Tom Harner, Jonathan P. Benskin, Jonathan W. Martin
1659–1664 | <http://dx.doi.org/10.1289/ehp.1003265>

Arsenic Exposure and Motor Function among Children in Bangladesh

Faruque Parvez, Gail A. Wasserman, Pam Factor-Litvak, Xinhua Liu, Vesna Slavkovich, Abu B. Siddique, Rebeka Sultana, Ruksana Sultana, Tariqul Islam, Diane Levy, Jacob L. Mey, Alexander van Geen, Khalid Khan, Jennie Kline, Habibul Ahsan, Joseph H. Graziano
1665–1670 | <http://dx.doi.org/10.1289/ehp.1103548>

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