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Quantification for individual diets is a well-established discipline in the health sciences. When it comes to measuring society's "diet" of the environment however, the number of variables and overlapping boundaries can make for a daunting task. Hardly cowed by this prospect, manuscripts in this issue bring modeling to bear on agriculture, fitness in natural vs. urban environments, and assessing the best biofuels. Also, a study of children exposed to arsenic-treated lumber suggests limited risk in a playground environment. Perhaps green-ness really can be quantified. Cover image of apple from Shutterstock; inset of playground courtesy of X. Chris Le. [View the article.](#)

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Retention of Nonionic Organic Compounds on Thermally Treated Soils





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Sudipta Chakraborty, Fabienne Favre, Dipanjan Banerjee, Andreas C. Scheinost, Martine Mullet, Jean-Jacques





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High Performance Thin-Film Composite Forward Osmosis Membrane





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Oxidation and Stabilization of Elemental Mercury from Coal-Fired Flue Gas by Sulfur Monobromide





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Reductive Dissolution of Lead Dioxide (PbO₂) in Acidic Bromide Solution





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Hydroxylated Metabolites of 4-Monochlorobiphenyl and Its Metabolic Pathway in Whole Poplar Plants





Guangshu Zhai, Hans-Joachim Lehmler and Jerald L. Schnoor

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Precursors of Dichloroacetamide, an Emerging Nitrogenous DBP Formed during Chlorination or Chloramination

Wen-Hai Chu, Nai-Yun Gao, Yang Deng and Stuart W. Krasner

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Global Stainless Steel Cycle Exemplifies China's Rise to Metal Dominance





Barbara K. Reck, Marine Chambon, Seiji Hashimoto and T.E. Graedel

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What is the Best Dose of Nature and Green Exercise for Improving Mental Health? A Multi-Study Analysis





Jo Barton and Jules Pretty

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Elevated Body Burdens of PBDEs, Dioxins, and PCBs on Thyroid Hormone Homeostasis at an Electronic Waste Recycling Site in China

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Toxicokinetic and Toxicodynamic Modeling Explains Carry-over Toxicity from Exposure to Diazinon by Slow Organism Recovery

Roman Ashauer, Anita Hintermeister, Ivo Caravatti, Andreas Kretschmann and Beate I Escher

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Dermal Uptake of Arsenic through Human Skin Depends Strongly on Its Speciation

Sairoong Ouypornkochagorn and Jörg Feldmann

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Identification of Hydroxylated Octa- and Nona-Bromodiphenyl Ethers in Human Serum from Electronic Waste Dismantling Workers

Zhiqiang Yu, Kewen Zheng, Guofa Ren, Yuyi Zheng, Shengtao Ma, Pingan Peng, Minghong Wu, Guoying Sheng and Jiamo Fu

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Biomonitoring of Arsenic in Urine and Saliva of Children Playing on Playgrounds Constructed from Chromated Copper Arsenate-Treated Wood

Kristi Lew, Jason P. Acker, Stephan Gabos and X. Chris Le

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Binary Mixture Effects by PBDE Congeners (47, 153, 183, or 209) and PCB Congeners (126 or 153) in MCF-7 Cells: Biochemical Alterations Assessed by IR Spectroscopy and Multivariate Analysis

Valon Llabjani, Júlio Trevisan, Kevin C. Jones, Richard F. Shore and Francis L. Martin

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