Jianping (Jim) Xue, Physical Scientist, in EPA's National Exposure Research Laboratory

Systems Exposure Division
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Area of Expertise: Jim's key research field has been on the SHEDS exposure model for more than ten years. His focus is on development, application and evaluation of the exposure model. Jim's expertise includes environmental science, medical science, statistics, epidemiology and GIS.

Select Publications:

Jianping Xue, Valerie Zartarian, Rogelio Tornero-Velez, Nicolle S. Tulve, 2014. EPA's SHEDS-multimedia model: Children's cumulative pyrethroid exposure estimates and evaluation against NHANES biomarker data. Environment International 73:304–311.

Jianping Xue, Shi V Liu, Valerie G Zartarian, Andrew M Geller, Bradley D Schultz 2014. Analysis of NHANES measured blood PCBs in the general US population and application of SHEDS model to identify key exposure factors. Journal of Exposure Science and Environmental Epidemiology. 24:615–621.

Peng Song, Jianping Xue, Zhilin Li 2013.Simulation of Longitudinal Exposure Data with Variance-Covariance Structures Based on Mixed Models. Risk Analysis 33:469-479.

Jianping Xue, Valerie G Zartarian, Shi V Liu, Andrew M Geller 2012. Methyl mercury exposure from fish consumption in vulnerable racial/ethnic populations: probabilistic SHEDS-Dietary model analyses using 1999-2006 NHANES and 1990-2002 TDS data. Science of The Total Environment 414: 373-379

Jianping Xue, Valerie Zartarian, Sheng-Wei Wang, Shi V. Liu, and Panos Georgopoulos 2010. Probabilistic modeling of dietary arsenic exposure and dose and evaluation with 2003-2004 NHANES Data. EHP 118: 345-350.

Jianping Xue, Valerie Zartarian, Nicolle Tulve, Jacqueline Moya, Natalie Freeman, Willa Auyeung and Paloma Beamer, 2010. A Meta-Analysis of Children's Object-to-Mouth Frequency Data for Estimating Non-Dietary Ingestion Exposure. JESEE 20:536-545.

View more research publications Jianping Xue.

Education:

- Medical board exam: ECFMG Certificate, May, 1996
- M.S., School of Public Health, Harvard University, Boston, 1990
- M.S., Department of Public Health, Tongji Medical University, 1986
- M.D., Nanjing Medical School, Nanjing, P.R. China, 1983

Professional Experience:

- Exposure Modeler, USEPA, ORD, NERL-HEASD, 2000-present
- Senior Programmer, Genetics Institute's, American Home Product Corporation, 1999-2000
- Research Specialist, Research Associate, Department of Environmental Health, Harvard School of Public Health, 1990-1998
- Senior Researcher, Jiangsu Disease Prevention and Control Center, P.R of China 1986-1989